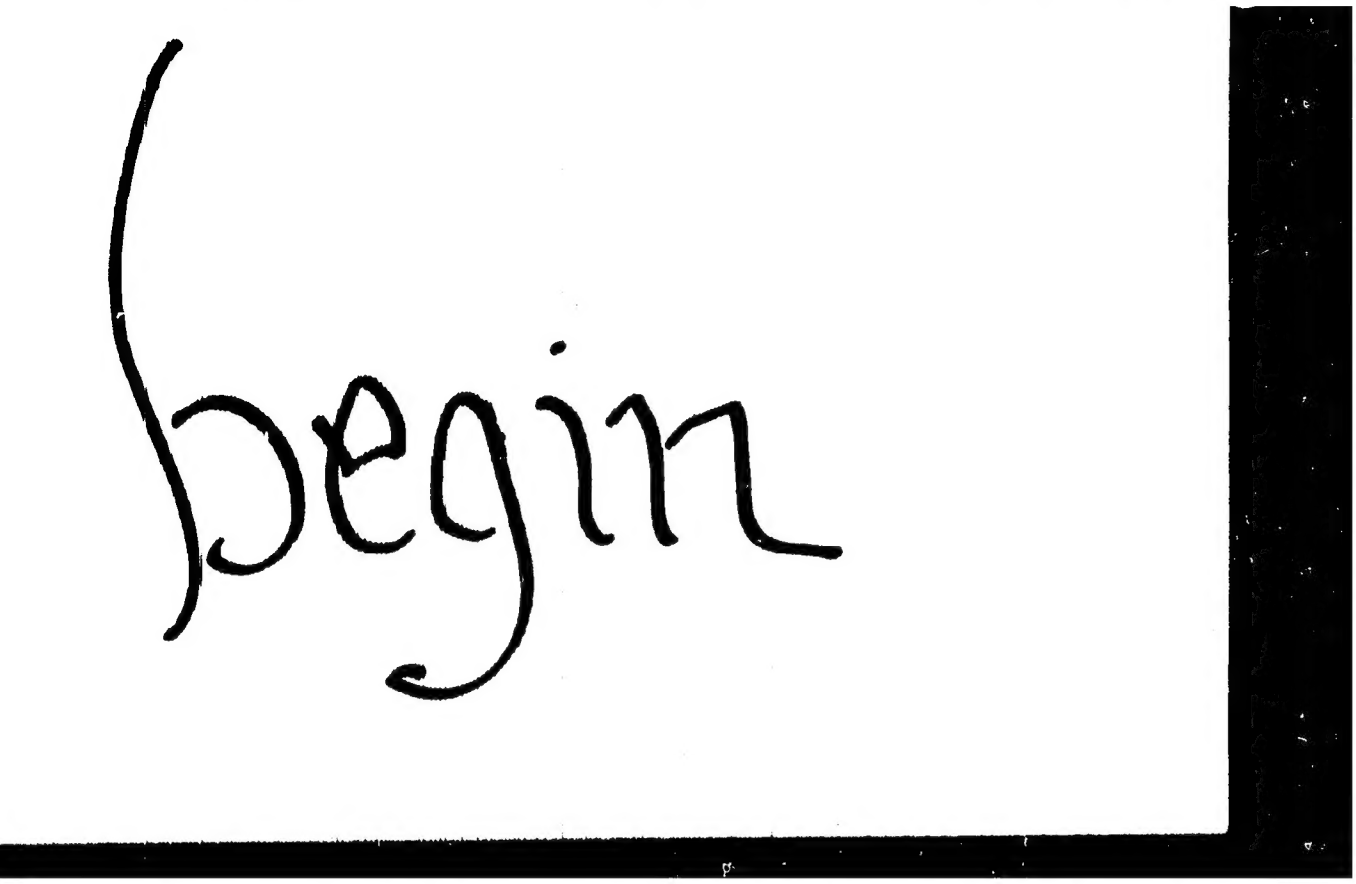
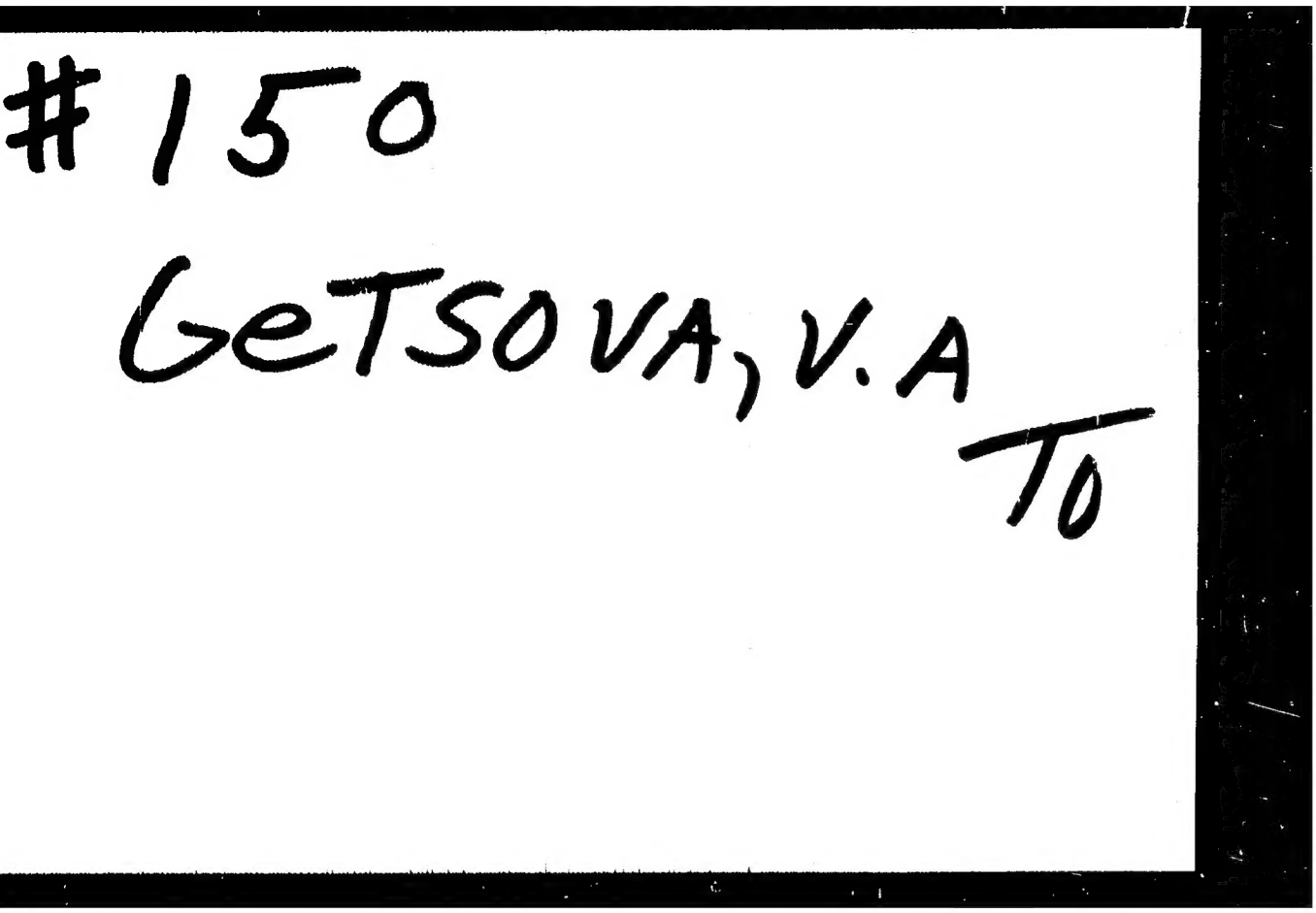




MONAKHOVA, M.A.; GETSOVA, V.A.

Electron microscopic study of the transfer of nuclear products into the cytoplasm in spermatocytes of the grain mite. Dokl. AN SSSR 161 no.4: 949-951 Ap '65. (MIRA 18:5)

1. Moskovskiy gosudarstvennyy universitet. Submitted October 16, 1964.

GETTA, A. I., Cand Med Sci -- (diss) "Anatomical basis of the method of anesthesia of the stellate ganglion under intrathoracic interventions." Stalinsk, 1960. 17 pp; (Tomsk State Medical Inst); 200 copies; price not given; (KL, 29-60, 127)

GETTA, A.I.

Method for the anesthesia of the stellate ganglion in intrathoracic interventions. Grud. khir. 3 no.2:94-97 '61. (MIRA 14:4)
(CHEST--SURGERY) (LOCAL ANESTHESIA)

USSR / Zooparasitology. Mite and Insect Vectors of Disease Agents. Acarida. G

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No. 19721

Author : Getta, G. I.
Inst : Siberian Scientific-Research Veterinary Institute
Title : Concerning Ixodidae and the Haemosporidiasis Situation in Siberia

Orig Pub : Sb. nauchn. rabot Sibirsk. n.-i. vet. in-ta, 1957, vyp 7, 33-45

Abstract : A summary of 6 years of work spent in a number of investigations. Literature data, statistical information of the veterinary network about the haemosporidiasis (H) disease for the past 10 years, personal collections of the ticks, collections of a

Card 1/4

USSR / Zooparasitology. Mite and Insect Vectors of Disease Agents. Acarids. G

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No. 19721

marginatus makes its appearance in the southern part of the northern forest-and-steppe region. In the steppe zone of Western Siberia it prevails. D. silvarum makes its appearance in the eastern part of Novosibirskaya Oblast', in the north-eastern borderland of Altayskiy Kray and in Kemerovskaya Oblast'; it replaces D. pictus in the eastern regions. In the extreme southeastern part of Altay, in Krasnoyarskiy Kray, Tuva and farther east, the steppe D. marginatus is replaced by the eastern D. nuttalli. All landscape zones in Western Siberia are unfavorable to H. In direction from north to south, the number of

Card 3/4

USSR / Zooparasitology. Mite and Insect Vectors of Disease. Acarids. G

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No. 19722

Author : Getta, G. I.
Inst : Siberian Scientific-Research Veterinary Institute
Title : Ixodidae and Haemosporidiasis in Horses of Krasnoyarskiy Kray

Orig Pub : Sb. nauchn. rabot Sibirsk. n.-i. vet. in-ta, 1957, vyp 7, 47-62

Abstract : Distribution of the ticks (T) and haemosporidiasis in horses within the forest-steppe and steppe regions of Krasnoyarskiy Kray is examined. T collections were conducted from 19 April until 3 June in 88 localities of the Kray's 23 regions belonging to 7

Card 1/4

USSR / Zooparasitology. Mite and Insect Vectors of Disease Agents. Acarids. G

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No. 19722

landscape-geographic zones. In the Achin forest-steppe zone, Ixodes persulcatus (41) and Dermacentor nuttalli (9) were collected. On the average, there was 0.5 T per one animal in Berezovskiy and no ticks in the Achinskiy Rayons. In the Krasnoyar forest-steppe zone, 93 individuals of D. nuttalli (41.6%) were collected. Per each examined animal there were 1.8 T. In the Kan forest-steppe zone, 1325 T specimens were collected, out of which D. nuttalli comprised 99.84%. There was 0.2 individual per each animal. In the steppe zone, 3387 T were collected, out of which 61.7% consisted of D. nuttalli; 20.5%, of I. persulcatus; 17.8%, of Haemophysalis

Card 2/4

USSR / Zooparasitology. Mite and Insect Vectors of Disease Agents. Acarids. G

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No. 19722

concinna. The average tick infestation of the animals were 3.4 T. The author considers that on the basis of obtained data, it is impossible, on the whole, to indicate a precise coordination of an individual T species with definite landscape-geographical zones, which is explained by variegation of the landscapes and a small number of the inspected localities. Haemosporidiasis in horses for the past decades were recorded in all the zones of the Kray. The highest incidence of piroplasmosis was observed in the Kan forest-steppe zone. Nuttalliosis is encountered 15

Card 3/4

USSR / Zooparasitology. Mite and Insect Vectors of Disease Agents. Acarids. G

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No. 19723

Author : Getta, G. I.
Inst : Siberian Scientific-Research Veterinary Institute
Title : Some Data on the Distribution of Ixodidae and Haemosporidiasis in Horses of the Tyumenskaya Oblast'

Orig Pub : Sb. nauchn. rabot Sibirsk. n.-i. vet. in-ta, 1957, vyp 7, 79-99

Abstract : During 1952, collections of Ixodidae (I) were conducted. Statistical material, concerning the incidence of haemosporidiasis in horses for the period 1937-1959, was collected, elaborated and thoroughly analyzed.

Card 1/4

35

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No. 19723

limits of I. persulcatus distribution passes the 61.5° of northern latitude; the distribution of D. pictus is not higher than 57°20' of n. l.; the distribution of D. marginatus is on line with the station of Uporova - at the town of Ushi. The distribution of haemosporidiasis in horses is also provided in the profiles of the landscape zones: the urman-marshy subzone of the taiga is free of the disease, and the enzootic nidi of piroplasmosis is recorded only in a small territory. The belt of the birch-aspen forests may be regarded as enzootic and latent nidi, and the territory of the northern forest-steppe as latent nidi

USSR/Zooparasitology. Parasitic Protozoa. Sporozoa. G

Abs Jour: Ref. Zhur. - Biol., No 23, 1958, 103993

Author : Getta, G. I.

Inst : All-Union Institute of Experimental Veterinary Medicine.

Title : Comparative Study of the Localization of Piroplasma Organisms and Francaiella Organisms in Long-Horned Cattle at Various Stages of Convalescence of the Animals.

Orig Pub: Tr. Vses, in-ta eksperim. veterinarii, 1957, 21, 34-47

Abstract: Experiments were performed on calves aged from six to seven months. They were infected with Piroplasma bigeminum and Francaiella colchica by means of Boophilus calcaratus ticks and also with infected blood. During the process of

Card 1/2

SELITA, G.I., kand. veterin. nauk; ZAGIKOV, N.A., veterin. vrach; BAYKOV, M.L., veterin. fel'dsher; SIPKIN, N.F., veterin. vrach; GOLUBITSKAYA, S.B., [illegible]; [illegible] T'YAKO, T.A., student; SIPKEVICH, L.P., student; SHMAREV, I.B., student

Results of testing phenothiazine against warble fly infestation of cattle. Veter. Moskva 38 no.6:43-44 Je '61.

(MIRA 18:1)

1. Moskovskiy nauchno-issledovatel'skiy veterinarnyy institut (for Selita). 2. Moskovskiy sel'skokhozyaystvennyy tekhnikum (for Zotov). 3. Tukanchikskiy veterinarnyy uchastok, Kholmskogo rayona, Novgorodskoy oblasti (for Kozlov, Baykov). 4. Volkovyskiy veterinarnyy tekhnikum (for Stepnev, Golubitskaya, Borovchenko, Sinkevich, Shmarev).

GETTA, G.I.; KARPMAN, M.A.

Strengthen the control of cattle hypoderma. Kozh.obuv. prom. 5 no.11:12-13 N '63. (MIRA 17:1)

GETTA, G.I., kand. veterin. nauk; YANOVICH, G.I., dotsent; SEMENOV, N.S.; KRYGIN, A.V., kand. biolog. nauk

Use of trichlorometaphos-3 in hypodermosis. Veterinariia 41 no.1:50-54 Ja '65. (MIRA 18:2)

1. Sibirskiy nauchno-issledovatel'skiy veterinarnyy institu # (for Getta). 2. Novosibirskiy sel'skokhozyaystvennyy institut (for Yanovich). 3. Glavnyy veterinarnyy vrach Indigirskogo proizvodstvennogo upravleniya Yakutskoy ASSR (for Semenov). 4. Dal'nevostochnyy nauchno-issledovatel'skiy veterinarnyy institut (for Krygin).

0915 1877

L 33117-66 EWT(m)/T JK

ACC NR: AP6024079 (N) SOURCE CODE: UR/0394/66/004/003/0065/0066

AUTHOR: Getta, G. I.; Belyayev, V. I. 32 B

ORG: Siberian Scientific Research Veterinary Institute (Sibirskiy nauchno-issledovatel'skiy veterinarnyy institut)

TITLE: Effect of chlorophos sprayings on the quality of milk and the activity of the cholinesterase of the blood of cows

SOURCE: Khimiya v sel'skom khozyaystve, v. 4, no. 3, 1966, 65-66

TOPIC TAGS: commercial animal, insecticide, cholinesterase, blood chemistry, animal husbandry, enzyme

ABSTRACT: The purpose of the work was to study the total activity of the blood cholinesterase of cows after a single treatment with chlorophos and to show the possibility of separating the insecticide from milk. It was found that a single spraying of cows with a 2% solution of chlorophos (2 liters per animal) lowers the total activity of the enzyme on the second day after spraying: in cows with unwashed udders by 27-33%, those with washed udders by 19-39%. Activity of the enzyme was restored to initial levels on the 5-6th day after spraying. The insecticide is detected in the milk however in insignificant amounts (0.015-0.05 mg/kg) in 60 hours after treatment of the cows. After 84, 96 and 108 hours after spraying the insecticide was not detectable in the milk. However for more reliable hygienic evaluation of the milk of cows subjected to chlorophos spraying, additional studies on the highly sensitive young calves should be conducted. Orig. art. has: 1 table. [JPRS]

SUB CODE: 06, 02 / SUBM DATE: 22Jun65 / ORIG REF: 008 / OTH REF: 005

Card 1/1 UDC: 632.95:636.22 + 637.1 + 577.153.4

GETTA, Karol

Results of immediate and remote observations on women operated on by the Manchester method. Gin.polska 31 no.6:609-616 N-D '60.

1. Z II Oddzialu Ginekologiczno-Poloznicszego Szpitala Miejskiego Nr 4 w Warszawie Ordynator: dr med. K. Anusiak.

(UTERINE PROLAPSE surg)

GETTA, M.Ya.

V.V.Dokuchaev's scientific legacy in the Poltava Museum of Regional Studies. Pochvovedenie no.10:64-68 O '56. (MLRA 10:1)

1. Poltavskiy sel'skokhozyaystvennyy institut.
(Soil research--Exhibitions) (Poltava Province--Soils--Classification)

GROMASHEVSKAYA, L.L.; GETTE, Z.P.; TAT'YANKO, N.V.; DEMCHENKO, V.N.; MIRONOVA, Ye.M.

Enzymic reactions in differential diagnosis of infectious hepatitis and machanical jaundice. Vop.med.virus. no.9:329-337 '64. (MIRA 18:4)

1. Institut infektsionnykh bolezney Ministerstva zdravookhraneniya UkrSSR.

GROMASHEVSKAYA, I.I.; ZEMIN, V.I.; GETTE, Z.I.; DAVIDENKO, [illegible]; VAKNOVA, Ye.M.

[illegible] enzymes in Botkin's infectious hepatitis. Vop.virus. no.3:246-252 My-Je '64. (MIRA 18:2)

1. Institut infektsionnykh bolezney Ministerstva zdravookhraneniya Ukr.SSR, Kiyev.

GETTE, Z.P.; [illegible], L. .

Activity of serum enzymes in experimental mechanical jaundice in dogs. Pat.fiziol.i eksp.terap. 9 no.4:54-58 Jl-Ag '65. (MIRA 18:9)

1. Laboratoriya biokhimicheskikh issledovaniy (zav. - prof. L.L. Gromashevskaya) Instituta infektsionnykh bolezney i kafedra operativnoy khirurgii (zav. - prof. K.I.Kul'chitskiy) Kiyevskogo meditsinskogo instituta.

GETTLICH, A.

M. Chorazy, A. GETTLICH, L. Goral, B. Koloczek, E. Molawka, B. Penar, Z. Szweda, "Experimental Chemotherapy of Tumors with Hydrogen Peroxide," Nature, Vol. 182, No. 4632, 9 Aug 58, pp 395-96.

Published from the Department of Tumor Biology, Institute of Oncology, Gliwice, Poland. Received 1958.

ACC NR: AT7000183 SOURCE CODE: UR/3182/65/002/000/0046/0052

AUTHOR: Natsvlishvili, G. I.; Politov, N. G.; Getts, S. F.

ORG: none

TITLE: Electron microscope investigation of transmission through potassium chloride crystals

SOURCE: AN GruzSSR. Institut fiziki. Elektronnyye i ionnyye protsessy v tverdykh telakh, v. 2, 1965, 46-52

TOPIC TAGS: potassium chloride, electron microscopy, crystal defect, crystal dislocation phenomenon

ABSTRACT: A method is developed to prepare samples of KCl monocrystals for direct transmission observation in an electron microscope (Model UEMB-100) and to investigate the effect of electron irradiation on the crystals. A monocrystal is prepared by cutting a sample 10 × 10 × 0,5 mm from a melt, then immersing only one side into glacial acetic acid until the crystal thins down to the desired thickness. The crystal is then washed in ethyl alcohol. Samples were also prepared by vacuum deposition and crystallization from aqueous solutions on platinum-carbon and lacquer films. Under irradiation the sample surface evaporates until the film reaches 1000 A, then the crystal becomes transparent to the 75 kev electrons and dislocation as well as point defect con-

Card 1/2

ACC NR: AT7000183

centrations become observable. Higher energy electrons have no effect on such films, but after extended exposure dark points appear and gradually grow into large squares. When a sample is suddenly subjected to a high energy beam of electrons, an "explosion" occurs, and filamentary projections appear which grow shorter and broader as the atoms regroup. A moire pattern was observed on the platinum-carbon sample, and three kinds of crystals were seen on the lacquer samples: 1) a thin film, 2) small squarish crystals inside hexagons, which honeycombed the entire surface of the lacquer, and 3) hexagons without squares. The patterns seen in the microscope are described in detail, and the reasons therefore are given. The distribution of dislocation loops is described. The authors thank E. L. Andronikashvili for stimulating interest in the work. Orig. art. has: 8 figures. [WA-95]

SUB CODE: 20,11/ SUBM DATE: none/ OTH REF: 005

Card 2/2

1. ASLANOV, G. V.; GETIYE, V. A.; GUREVICH, YE. S.; LUBENETS, V. D.; SAMSONOV, N. M.; SEKUNOVA, O. N.; SIMONOVSKIY, I. V.; FRENKEL', M.; DRAPUNOV, B. P.

2. USSR (600)

4. Valves

7. Problem of the priority of Soviet science in examining the operation of spring-loaded valves. (Letters to the editor.) Vest. mash. 32 No. 11, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

VASSERMAN, M.A.; GET'YE, Ye.A.; KONSTANTINOV, S.V.; REYTMAN, I.M., redaktor; PERSHINA, Ye.G., vedushchiy redaktor; TROFIMOV, A.V., tekhnicheskiy redaktor

[Catalog: Spare parts for petroleum apparatus] Katalog: Zapasnye chasti k neftianomu oborudovaniiu. Moskva, Gos. nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry. Pt.1. [Geological and prospecting apparatus] Geologo-razvedochnoe oborudovanie. Sec.3. [Engines for geological and prospecting drilling] Dvigateli dlia geologo-razvedochnogo bureniia. No.1. [ND22 oil engine] Neftianoi dvigatel' ND22. 1956. 31 p. [1ND22 oil engine] Neftianoi dvigatel' 1ND22. 1956. 38 p. (MLRA 9:7)

1. Soyuzneftеburmashremont, Gosudarstvennyy soyuznyy trest. (Gas and oil engines)

ARAKELOV, A.S.; BORISOV, V.A.; GAL'PERIN, I.I.; GUREVICH, A.G.; DOVZHUK, G.T.; PARSHIN, B.N.; SOKOLOVSKIY, S.M.; SELIKHOV, V.L., SHIFRIN, D.L.; ETKIN, M.V.; GET'YE, V.A., red.toma; YELIN, V.I., red.toma; SOLDATOV, K.N., red.toma; SVYATITSKAYA, K.P., vedushchiy red.; TROFIMOV, A.V., tekhn.red.

[Equipment used in the petroleum industry] Neftianoe oborudovanie; v shesti tomakh. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry. Vol.1. [Compressors and pumps] Kompressory i nasosy. 1958. 234 p. (MIRA 12:5)
(Petroleum industry--Equipment and supplies)
(Pumping machinery) (Compressors)

GRUBE, V.R., inzh.

Building sugar refineries in the Kuban. Prom. stroi. 37 no.9: 26-32 S '59. (MIRA 13:1)

1. Krasnodarskiy sovnarkhoz.
(Kuban--Sugar industry)
(Factories--Design and construction)

ZOTOV, V.P.; MAKHINYA, M.M.; PARSHIKOV, M.Ya.; GAVRILOV, A.N.; SILIN, P.M.; GOLOVIN, P.V.; KHEYZE, N.V.; BUZANOV, I.F.; KHELEMSKIY, M.Z.; YAPASKURT, V.V.; SHARKO, A.P.; SANOV, N.M.; LITVAK, I.M.; IVANOV, S.Z.; LEPESHKIN, I.P.; KLEYMAN, B.M.; YEPISHIN, A.S.; GOLUB, S.I.; GERASIMOV, S.I.; GEUBE, V.R.; PASHKOVSKIY, F.M.; LITVINOV, Ye.V.; BENIN, G.S.; IVANOV, P.Ya.; VINOGRADOV, N.V.; PONOMARENKO, A.P.; ZHIDKOV, A.A.; KOVAL', Ye.T.; KARTASHOV, A.K.; NOVIKOV, V.A.

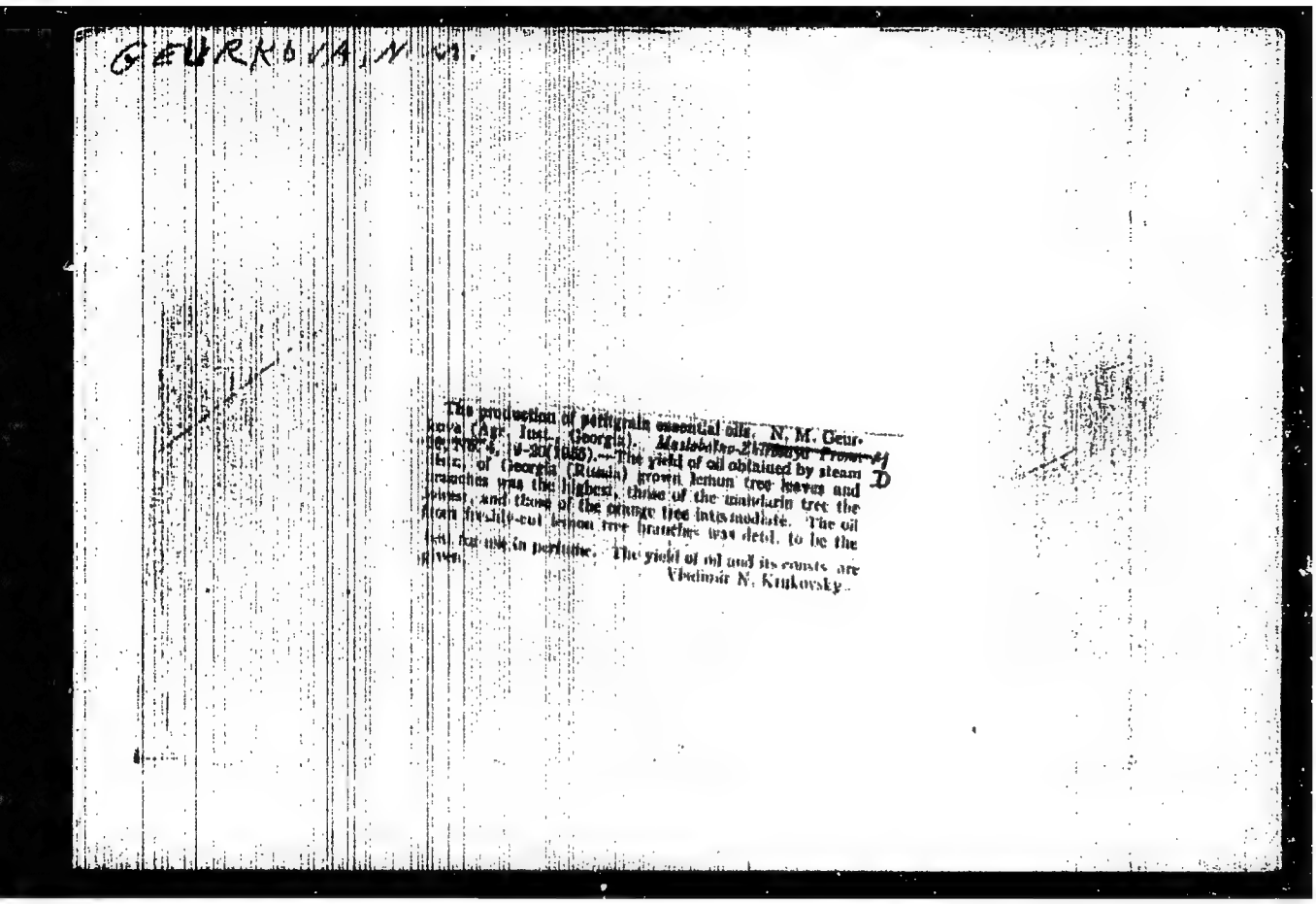
Sixtieth birthday of A.N.Shakin, Director of the Central Scientific Research Institute of the Sugar Industry. Sakh. prom. 35 no.7:33 Jl '61. (MIRA 14:7)
(Shakin, Anatolii Nikitovich, 1901-)
(Sugar industry)

ZOTOV, V.P.; MAKHINYA, M.M.; PARSHIKOV, M.Ya.; GAVRILOV, A.N.; SILIN, P.M.; GOLOVIN, P.V.; KHEYZE, N.V.; BUZANOV, I.F.; KHELEMSKIY, M.Z.; YAPASKURT, V.V.; SHARKO, A.P.; SANOV, N.M.; LITVAK, I.M.; IVANOV, S.Z.; LEPESHKIN, I.P.; KLEYMAN, B.M.; YEPISHIN, A.S.; GOLUB, S.I.; GERASIMOV, S.I.; GEUBE, V.R.; PASHKOVSKIY, F.M.; LITVINOV, Ye.V.; BENIN, G.S.; IVANOV, P.Ya.; VINOGRADOV, N.V.; PONOMARENKO, A.P.; ZHIDKOV, A.A.; KOVAL', Ye.T.; KARTASHOV, A.K.; NOVIKOV, V.A.

Sixtieth birthday of A.N.Shakin, Director of the Central Scientific Research Institute of the Sugar Industry. Sakh. prom. 35 no.7:33 Jl '61. (MIRA 14:7)
(Shakin, Anatolii Nikitovich, 1901-)
(Sugar industry)

ZOTOV, V.P.; MAKHINYA, M.M.; PARSHIKOV, M.Ya.; GAVRILOV, A.N.; SILIN, P.M.; GOLOVIN, P.V.; KHEYZE, N.V.; BUZANOV, I.F.; KHELEMSKIY, M.Z.; YAPASKURT, V.V.; SHARKO, A.P.; SANOV, N.M.; LITVAK, I.M.; IVANOV, S.Z.; LEPESHKIN, I.P.; KLEYMAN, B.M.; YEPISHIN, A.S.; GOLUB, S.I.; GERASIMOV, S.I.; GEUBE, V.R.; PASHKOVSKIY, F.M.; LITVINOV, Ye.V.; BENIN, G.S.; IVANOV, P.Ya.; VINOGRADOV, N.V.; PONOMARENKO, A.P.; ZHIDKOV, A.A.; KOVAL', Ye.T.; KARTASHOV, A.K.; NOVIKOV, V.A.

Sixtieth birthday of A.N.Shakin, Director of the Central Scientific Research Institute of the Sugar Industry. Sakh. prom. 35 no.7:33 Jl '61. (MIRA 14:7)
(Shakin, Anatolii Nikitovich, 1901-)
(Sugar industry)



GEURKOVA, N. M.

The production of petitgrain essential oils. N. M. Geurkova (Agr. Inst., Georgia). *Maslobito-Zhirovoye Proms-st'*, No. 5, 9-20(1950).—The yield of oil obtained by steam distn. of (Georgia (Russia) grown lemon tree leaves and branches was the highest, those of the mandarin tree the lowest, and those of the orange tree intermediate. The oil from fivelife-cut lemon tree branches was detd. to be the best for use in perfume. The yield of oil and its constn. are given.

Vladimir N. Krukovsky

D

GEURKOVA, N.M., kand.tekhn.nauk

Quality and amount of extracted oil as determined by the stage of plant development and by the time elapsed after the collection of azalea flowers. Masl.-zhir.prom. 26 no.2:35-36 F '60. (MIRA 13:5)

1. Gruzinskiy institut subtropicheskogo khozyaystva.
(Azaleas)

GEURKOVA, N.M., kand.tekhn.nauk

Obtaining essential oil from mock orange(philadelphus). Masl.-zhir.prom. 28 no.11:31 N '62. (MIRA 15:12)

1. Gruzinskiy institut subtropicheskogo khozyaystva.
(Essences and essential oils)

GEVAY, B.

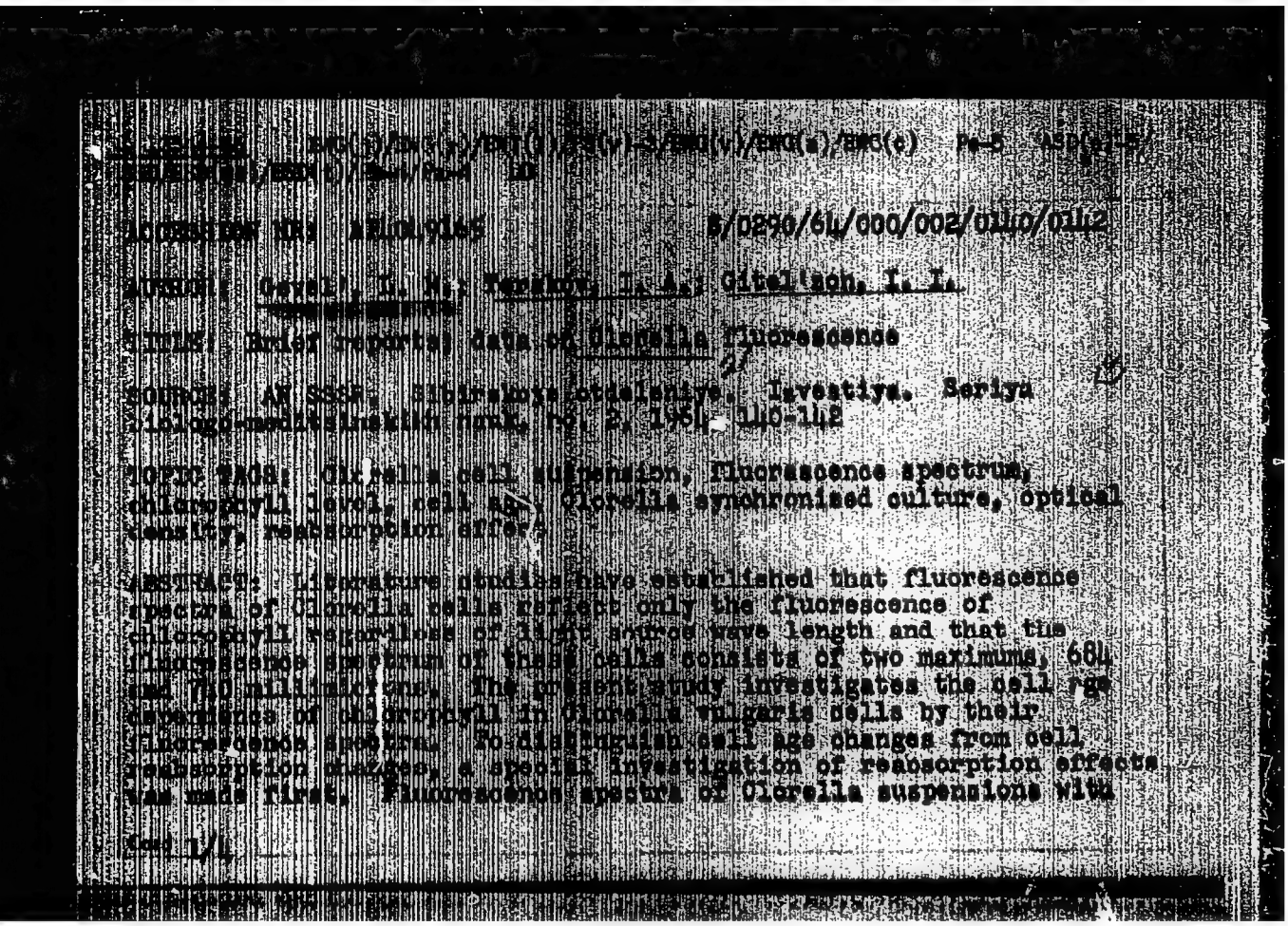
Problems of painting switchgear installations. p. 54.
Vol. 4, no. 2, 1956. VILLAMOSIPAR, Budapest, Hungary.

SOURCE: East European List, (EEAL) Library of Congress. Vol. 6, no. 1, January, 1956.

[redacted]

[redacted] antibiotics and their
[redacted] no.1:62-64
[redacted] (MIRA 18:3)

[redacted] Leningradskiy nauchno-issledovatel'skiy institut
[redacted], Leningrad.



Accession No: AP5004165 S/0290/64/000/002/0140/0142

Author: Gavrilov, V. M.; Yershov, Yu. A.; Gitel'son, I. I.

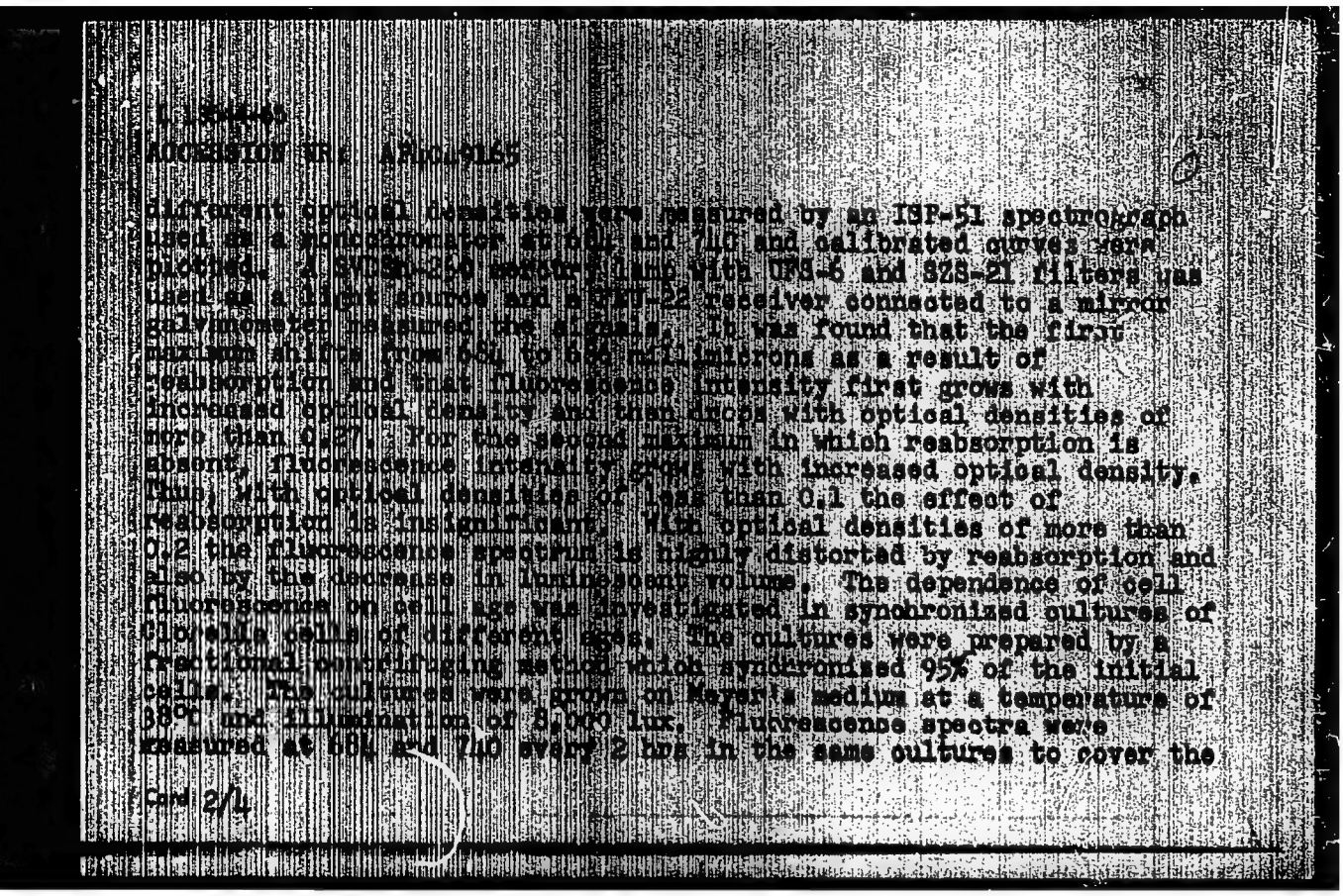
Title: Brief reporting data of Chlorella fluorescence

Source: AN SSSR. Sibirskoye otdeleniye. Izvestiya. Seriya biologo-meditsinskikh nauk, no. 2, 1964, 140-142

Topic tags: Chlorella cell suspension, fluorescence spectrum, chlorophyll level, cell age, Chlorella synchronized culture, optical density, reabsorption effect

Abstract: Literature studies have established that fluorescence spectra of Chlorella cells reflect only the fluorescence of chlorophyll molecules at light source wave length and that the fluorescence spectrum of these cells consists of two maximums, 684 and 730 millimicrons. The present study investigates the cell age dependence of chlorophyll in Chlorella vulgaris cells by their fluorescence spectra. To distinguish cell age changes from cell reabsorption changes, a special investigation of reabsorption effects was made first. Fluorescence spectra of Chlorella suspensions with

Card 1/4



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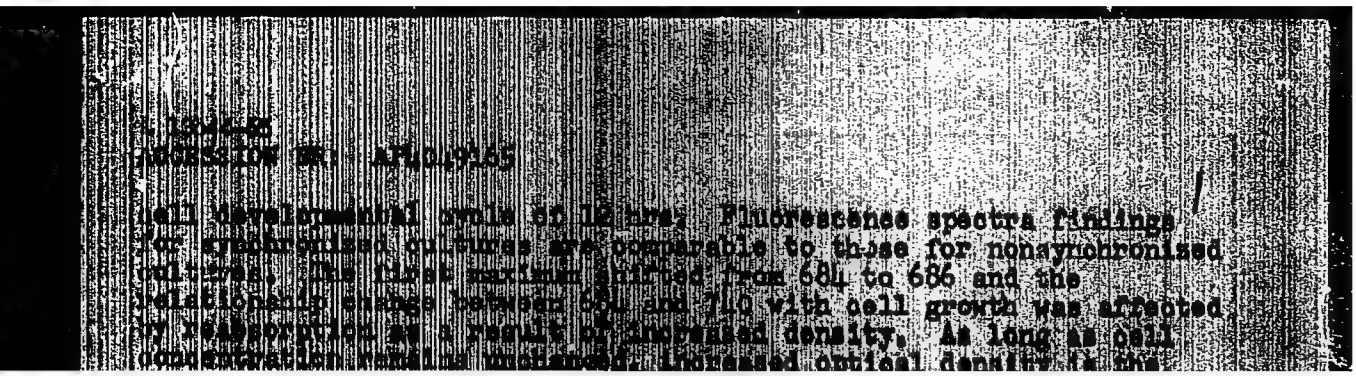
ACCESSION NR: AP5004165

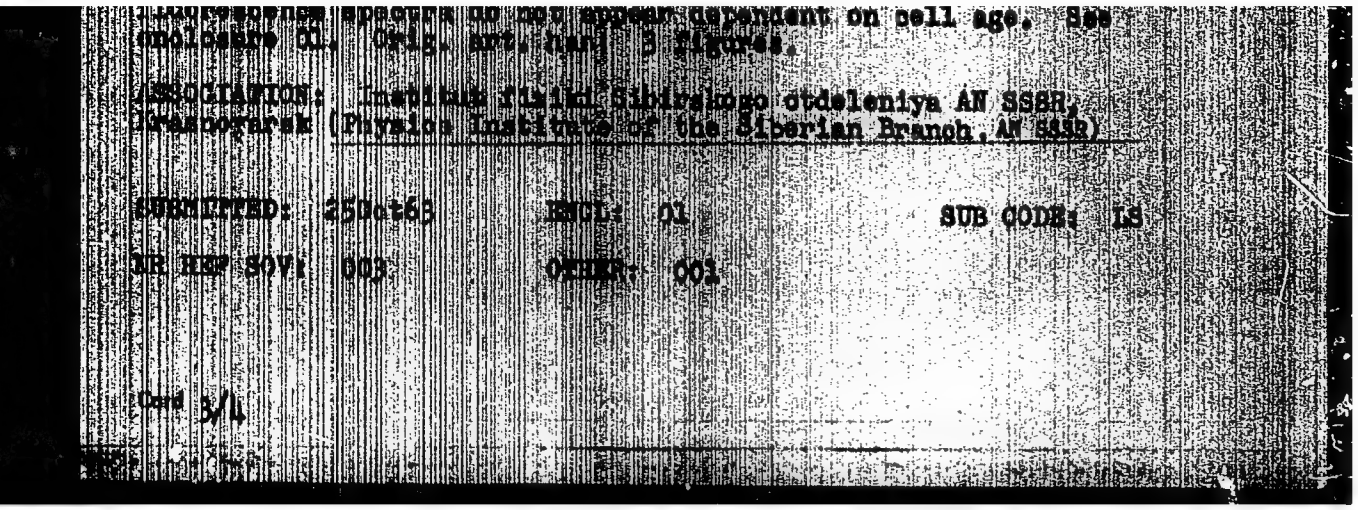
different optical densities were measured by an ISP-51 spectrograph used as a monochromator at 680 and 740 and calibrated curves were plotted. A SVShch-250 mercury lamp with UFS-6 and SZS-21 filters was used as a light source and a FEU-22 receiver connected to a mirror galvanometer registered the signal. It was found that the first maximum shifts from 680 to 684 millimicrons as a result of reabsorption and that fluorescence intensity first grows with increased optical density and then drops with optical densities of more than 0.27. For the second maximum in which reabsorption is absent, fluorescence intensity grows with increased optical density. Thus, with optical densities of less than 0.1 the effect of reabsorption is insignificant. With optical densities of more than 0.2 the fluorescence spectrum is highly distorted by reabsorption and also by the decrease in luminescent volume. The dependence of cell fluorescence on cell age was investigated in synchronized cultures of Chlorella cells of different ages. The cultures were prepared by a fractional centrifuging method which synchronized 95% of the initial cells. The cultures were grown on Meyer's medium at a temperature of 38°C and illumination of 24000 lux. Fluorescence spectra were measured at 680 and 740 every 2 hrs in the same cultures to cover the

Card 2/4



ACCESSION NR: AP4049165

cell developmental cycle of 12 min. Fluorescence spectra findings for synchronized cultures are comparable to those for nonsynchronized cultures. The first maximum shifted from 681 to 686 and the relationship between 681 and 710 with cell growth was affected by cultivation at a reduced density. As long as cell



[illegible] spectra do not appear dependent on cell age. See
(molecular cd. Orig. art. has: 3 figures.

ASSOCIATION: Institut fiziki Sibirskogo otdeleniya AN SSSR, Krasnoyarsk (Physics Institute of the Siberian Branch, AN SSSR)

SUBMITTED: 25Oct63 ENCL: 01 SUB CODE: LS

NR REF SOV: 003 OTHER: 003

Card 3/4

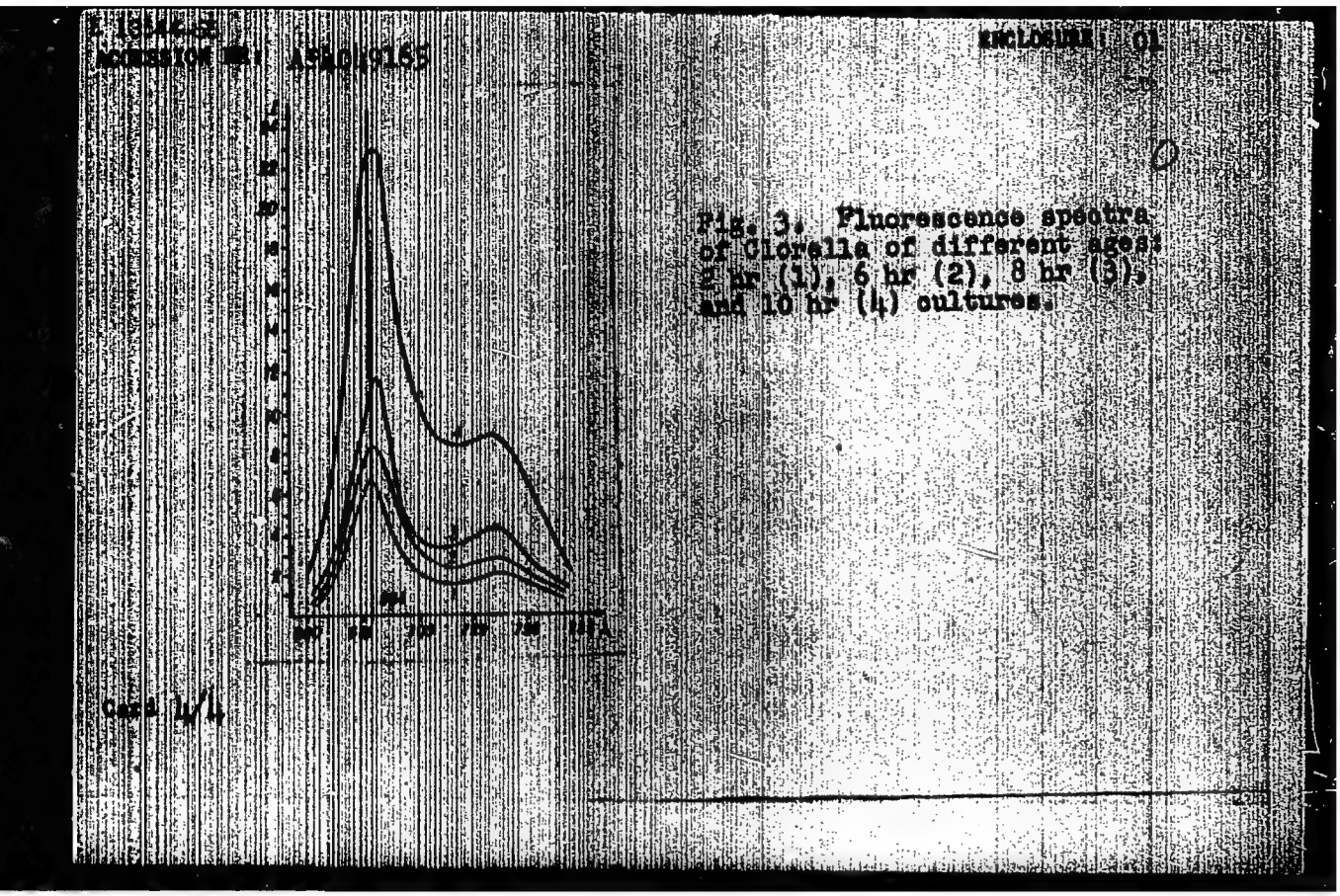


Fig. 3. Fluorescence spectra of Clorella of different ages: 2 hr (1), 6 hr (2), 8 hr (3), and 10 hr (4) cultures.

SHUSTOV, N.V.; GEYER, V.F.

Results of the practical application of the water-infusion method of blasting for rock breaking. Fiz.-tekh. probl. razrab. pol. iskop. no.4:58-63 '65. (MIRA 19:1)

1. Institut tsvetnykh metallov imeni Kalinina, Krasnoyarsk.
Submitted Feb. 23, 1965.

S/659/61/007/000/012/044
D217/D303

AUTHORS: Rovinskiy, B. M., Lyuttsau, V.G., and Geveling, N.N.

TITLE: Investigating the relaxation resistance of nickel-base alloys

SOURCE: Akademiya nauk SSSR. Institut metallurgii. Issledovaniya po zharoprochnym splavam, v. 7, 136- 12 12[illegible]

TEXT: The results of an investigation of the relaxati[illegible] f residual orientated microstresses in nickel-base heat-resis[illegible] alloys at temperatures between 20 and 400°C are discussed. Cr, Fe, Co and Al are often used as alloy elements for heat-resistant nick[illegible] loys. For this reason, nickel alloys containing the above ele[illegible]ents were chosen for investigations. Two alloys of each type, with solid solution concentrations of 10.5 and 24.0 at. % Cr, 5.9 and 12.4 at. % Al, 5.0 and 10.4 at.% Co and 3.1 and 6.2 at.% Fe, were studied. The control of metal structure during specimen preparation was followed by X-ray methods. From the prepared specimens, special templates were cut for spectral analysis and for final metallographic

Card 1/3

Investigating the relaxation ...

examination. The X-ray method was also used for investigating stress relaxations. This consisted of measuring the residual lattice deformation after extension (or compression) beyond the elastic limit and subsequent unloading of the specimens, and its change with time. -For this purpose, the specimens, after being X-rayed, were deformed in the original unstressed state in a normal tensile testing machine up to 5 - 10 % elongation which, after unloading, gave the required residual plastic lattice deformation. [Abstractor's note: 'Elastic lattice deformation' in the original article appears to be an error]. The curves for the relaxation of residual orientated microstresses in pure nickel and Ni-Cr, Ni-Al, Ni-Co and Ni-Fe alloys, obtained by precise lattice period measurements at room temperature and elevated temperatures, can be described by the equation $\varepsilon_t = \varepsilon_0 \exp - [k_1 t]^p$, where ε_0 and ε_t = percentage macroscopic elastic deformation of specimen immediately after loading and after time t, respectively; k_1 and p are constants characterizing the intensity of relaxation, k_1 being determined by the level of stress and p by

Card 2/3

the nature and state of the material. The value of p characterizes quantitatively the relaxation resistance of pure nickel and of the investigated alloys both at room and elevated temperatures. The relaxation resistance of alloys is higher than that of the pure metal, since it increases with an increase of the alloying element. Addition of Fe increases the relaxation resistance of Ni most effectively, and the addition of Cr, least effectively. The relaxation resistance of Ni and its alloys decreases with increase in temperature, the decrease being most drastic in the case of pure Ni and least in the case of a nickel alloy containing 12.4 at.% Al. There are 6 figures and 3 references: 2 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: E. A. Owen, Y.H. Liu and D.P. Morris, Phil. Mag., 39, 1948.

Card 3/3

88287
S/032/61/027/001/025/037
B017/B054

1.9600

AUTHORS: Geveling, N. N., Puchkov, B. I., Rakhshtadt, A. G., and Rogel'berg, Yu. L.

TITLE: Device for Measuring the Relaxation of Stress in Thin Metal Tapes on Bending

PERIODICAL: Zavodskaya laboratoriya, 1961, Vol. 27, No. 1, pp. 89-91

TEXT: To study the relaxation of stress in thin metal tapes made of spring alloys, the tapes were attached to cylindrical frame by means of two ledges. The magnitude of initial stress depends on the frame diameter and thickness of the metal tape. The relaxation stress is calculated from the equation $\sigma_r = 0.5\ E\ h\ (\frac{1}{R} - \frac{1}{r})$, where E = modulus of elasticity, h = thickness of the metal tape, R = initial radius of the arc, and r = arc radius after relaxation. The kinetics of the relaxation stress was studied with beryllium bronze. There are 3 figures and 5 Soviet references.

Card 1/2

88287

Devices for Measuring the Relaxation of Stress in Thin Metal Tapes on Bending

S/032/61/027/001/025/037
B017/B054

ASSOCIATION: Moskovskoye vysshaye tekhnicheskoye uchilishche im. Baumana (Moscow Higher Technical School imeni Bauman), Giprotsvetmetobrabotka (State Design and Planning Scientific Research Institute for the Processing of Nonferrous Metals)

Card 2/2

GEVELING, N.N.

International exhibition "Chemistry in industry, construction and agriculture." Metallovad. i term. obr. met. no. 12:56-58 D '65. (MLRA 18:12)

GEVELING, V.V.

[illegible], V. V.

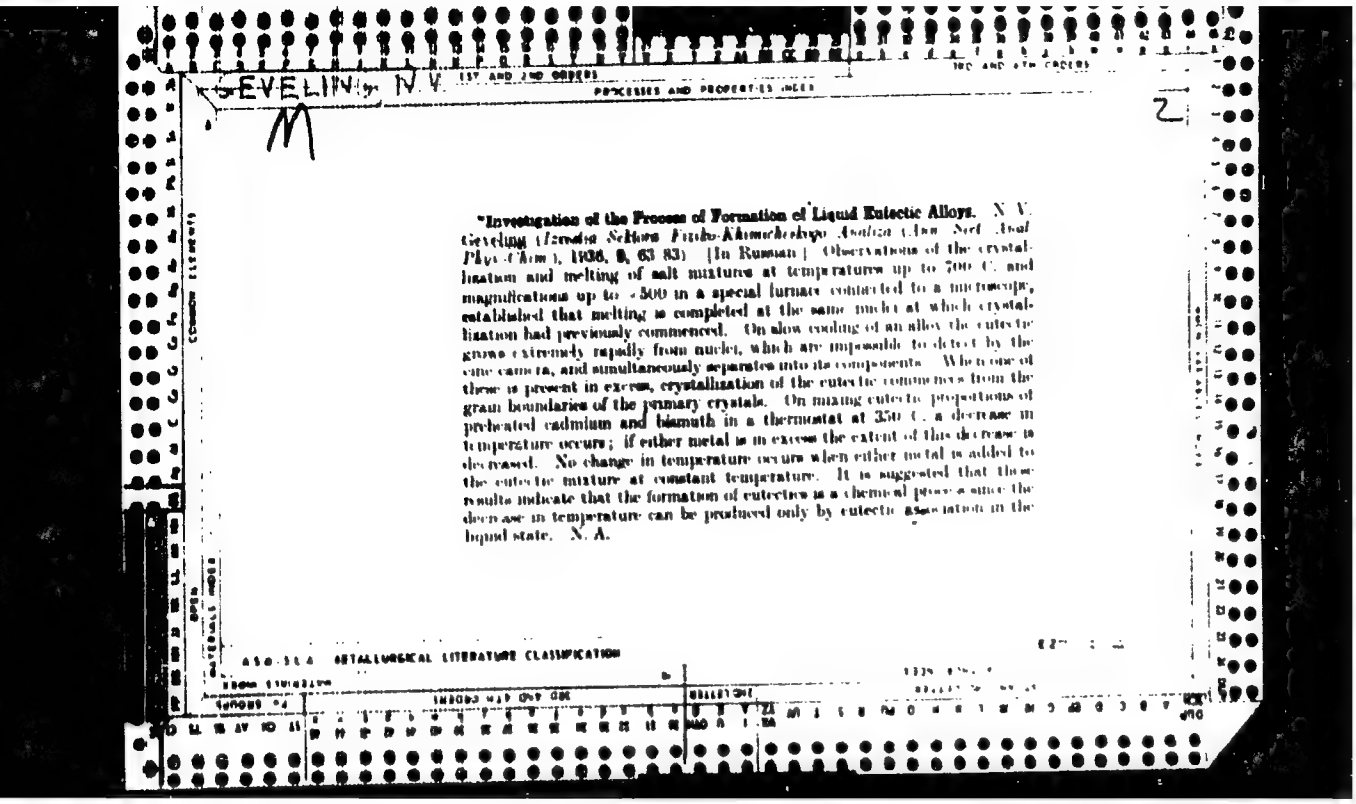
Aviatsionnoe metallovedenie. Utverzhdeno v kachestve uchebnogo posobiia dlia aviatsionnykh vtuzov. Chast' 1. Metallicheskie splavy. [illegible], Izd. red. aviats. lit-ry, 19[illegible]. 2[illegible] p., illus., tables, diagrs.

Includes bibliography.

Title tr.: Aircraft metals. Part 1. Metal alloys. Approved as a textbook for schools of advanced aeronautical studies.

[illegible]

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 195[illegible].



GEVELING, N. V. 1ST AND 2ND ORDERS

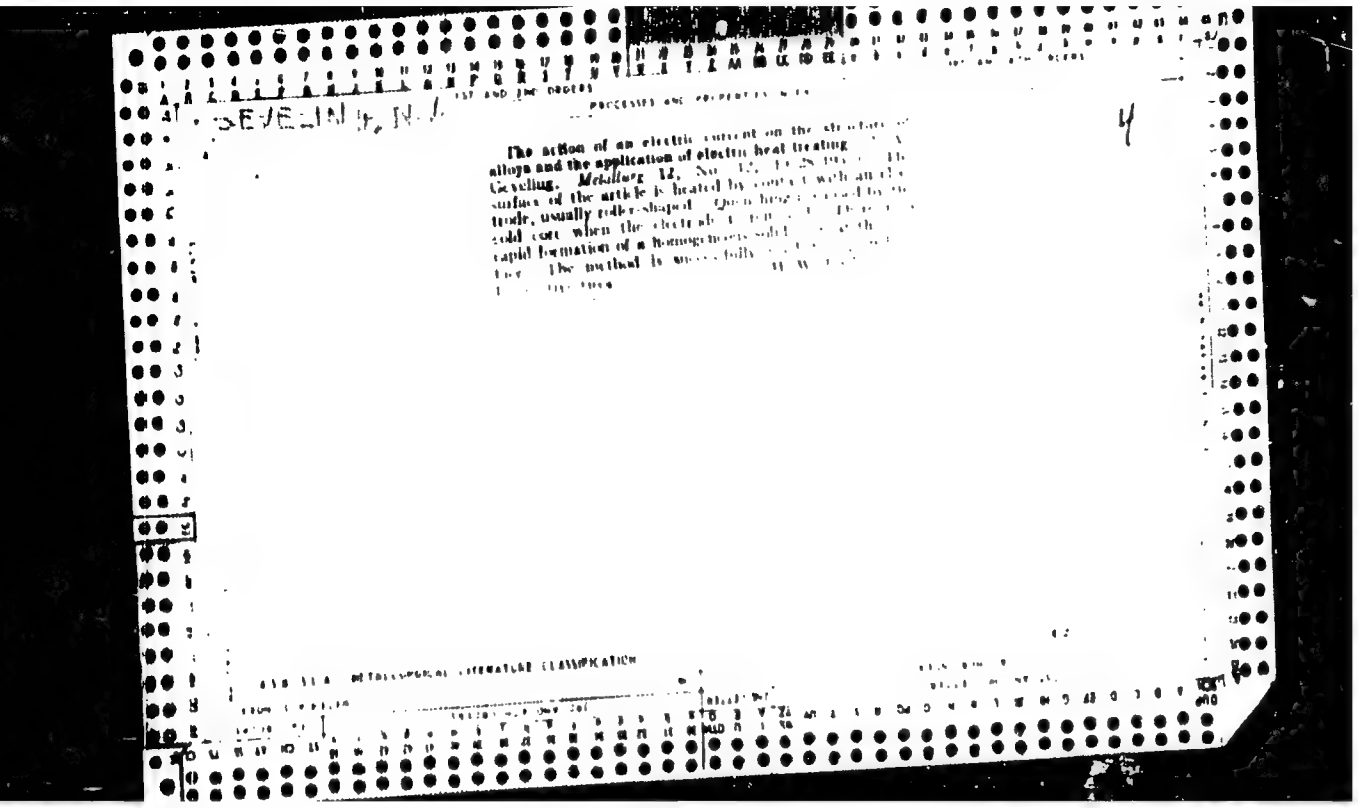
PROCESSES AND PROPERTIES INDEX

M

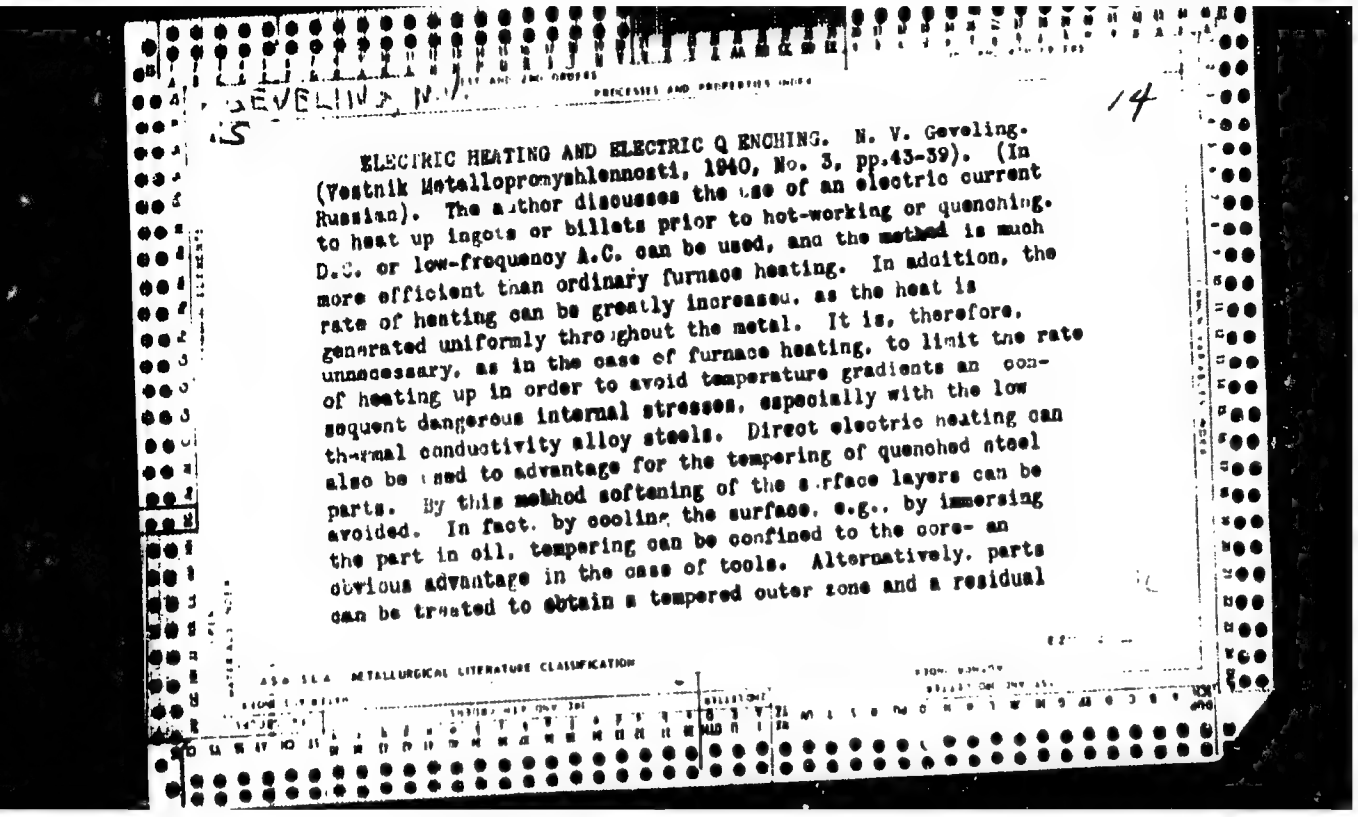
2

"Investigation of the Process of Formation of Liquid Eutectic Alloys. N. V. Geveling (*Izvestia Sektora Fiziko-Khimicheskogo Analiza Inst. Obshch. Neorg. Khim. Akad. Nauk S.S.S.R.*, 1936, **8**, 63–83) [In Russian] Observations of the crystallisation and melting of salt mixtures at temperatures up to 700° C. and magnifications up to ×500 in a special furnace connected to a microscope, established that melting is completed at the same moment at which crystallisation had previously commenced. On slow cooling of an alloy the eutectic grows extremely rapidly from nuclei, which are impossible to detect by the cine camera, and simultaneously separates into its components. When one of these is present in excess, crystallisation of the eutectic commences from the grain boundaries of the primary crystals. On mixing eutectic proportions of preheated cadmium and bismuth in a thermostat at 350° C. a decrease in temperature occurs; if either metal is in excess the extent of this decrease is decreased. No change in temperature occurs when either metal is added to the eutectic mixture at constant temperature. It is suggested that these results indicate that the formation of eutectics is a chemical process since the decrease in temperature can be produced only by eutectic association in the liquid state. N. A.

A50-51A METALLURGICAL LITERATURE CLASSIFICATION



The action of an electric current on the ... alloys and the application of electric heat treating ... Gewelling. *Metallurg* 12, No ... surface of the article is heated by ... tools, usually rubber-shaped ... cold cost when the electrode ... rapid formation of a homogeneous ... face. The method is ...



GEVELING, N.V.

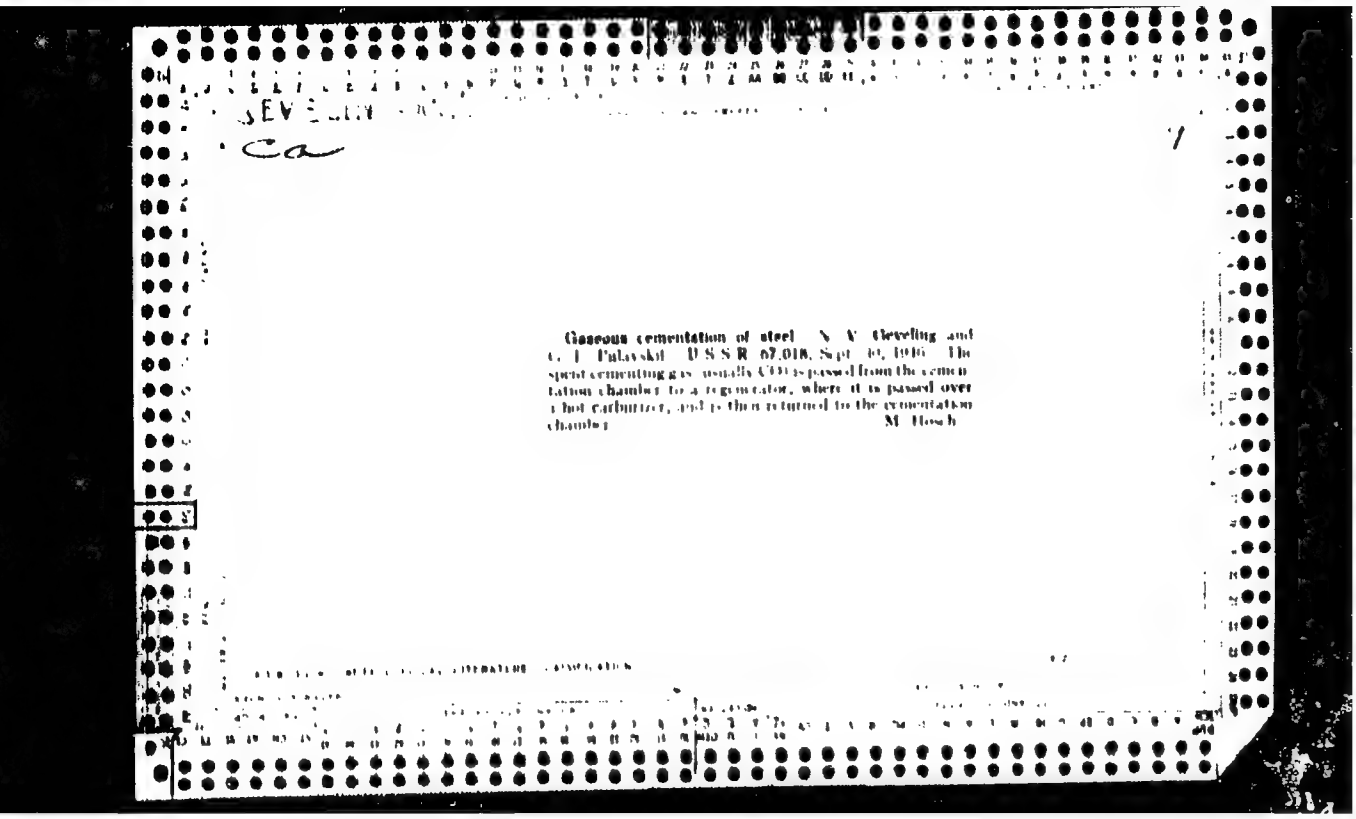
14

ELECTRIC HEATING AND ELECTRIC Q ENCHING. N. V. Geveling. (Vestnik Metallopromyshlennosti, 1940, No. 3, pp.43-39). (In Russian). The author discusses the use of an electric current to heat up ingots or billets prior to hot-working or quenching. D.C. or low-frequency A.C. can be used, and the method is much more efficient than ordinary furnace heating. In addition, the rate of heating can be greatly increased, as the heat is generated uniformly throughout the metal. It is, therefore, unnecessary, as in the case of furnace heating, to limit the rate of heating up in order to avoid temperature gradients an consequent dangerous internal stresses, especially with the low thermal conductivity alloy steels. Direct electric heating can also be used to advantage for the tempering of quenched steel parts. By this method softening of the surface layers can be avoided. In fact, by cooling the surface, e.g., by immersing the part in oil, tempering can be confined to the core- an obvious advantage in the case of tools. Alternatively, parts can be treated to obtain a tempered outer zone and a residual

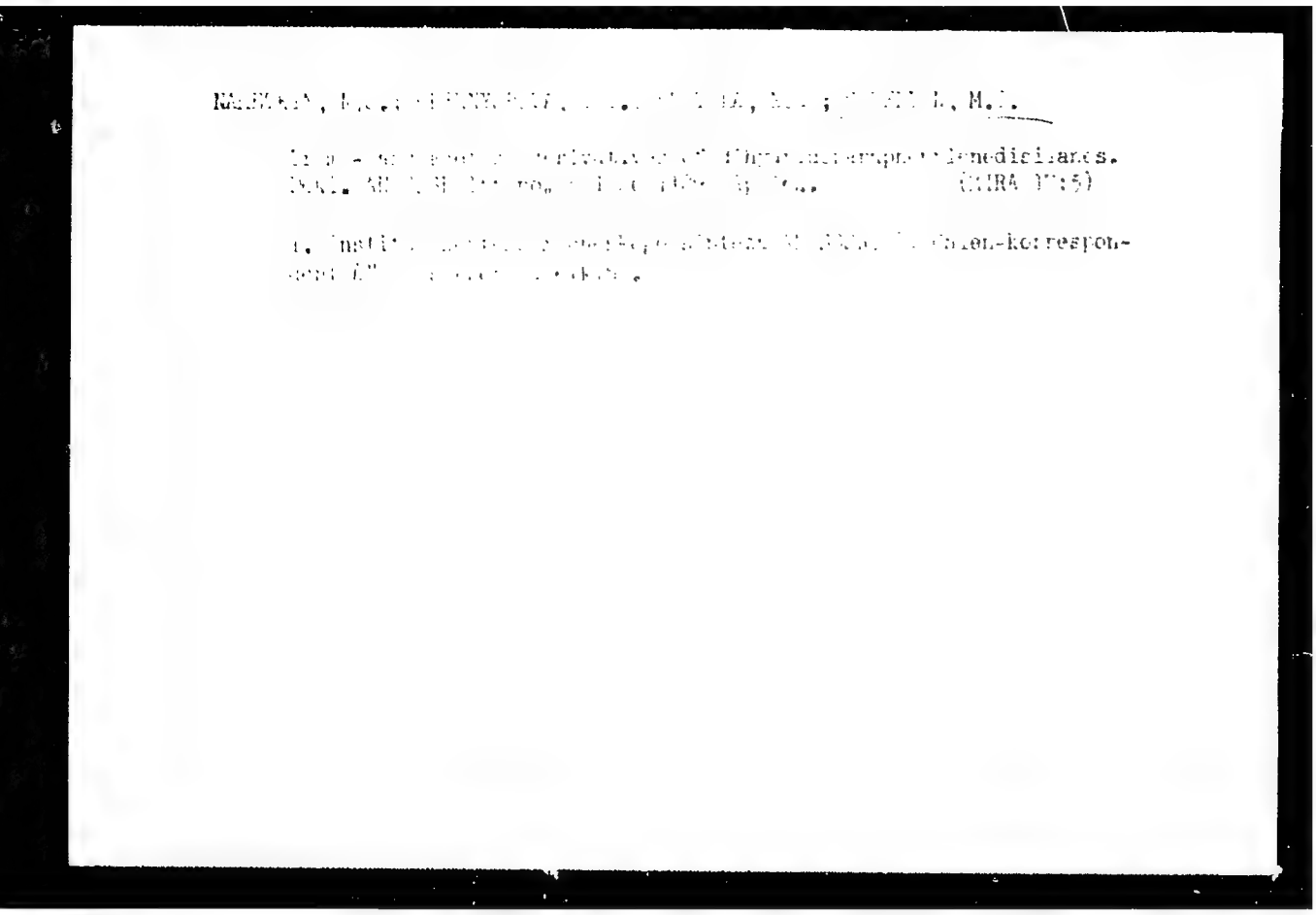
ASM SLA METALLURGICAL LITERATURE CLASSIFICATION

LASHKO, N.F.; SERGEYEV, G.Ya.; CHICHAGOV, V.V.; GEVELING, N.V., redaktor.

[Effect of deformation on the recovery capacity of duralumin] Vliianie deformatsii na effekt vozvrata v duraliumine. Pod red. N.V.Geveliinga. [Moskva] Izd. Akademii, 1945. 98 p. (Trudy Voennoi vozdushnoi ordena Lenina akademii KA im. Zhukovskogo, vyp. 153) (MLRA 7:3)
(Duralumin) (Deformations (Mechanics))



Gaseous cementation of steel. N. V. Gevelling and G. I. Palavskii. U.S.S.R. 67,018, Sept. 30, 1946. The spent cementing gas, usually CO, is passed from the cementation chamber to a regenerator, where it is passed over a hot carburizer, and is then returned to the cementation chamber. M. Hoch



GEVEZOVA, Vasilka, meditsinskaya sestra

Aid rendered by the medical nurse to patients bleeding from the ear, the upper respiratory organs, and the esophagus. Med. sestra 21 no.10:36-39 O '62. (MIRA 16:4)

1. Transportnaya bol'nitsa, Sofiya.
(HEMORRHAGE)

ZADOR, Andas, dr.; GEVICSER, Pal, dr.

Results of a prolonged sanatorial therapy. Tuberkulozis 14 no.6:176-179 Je '61.

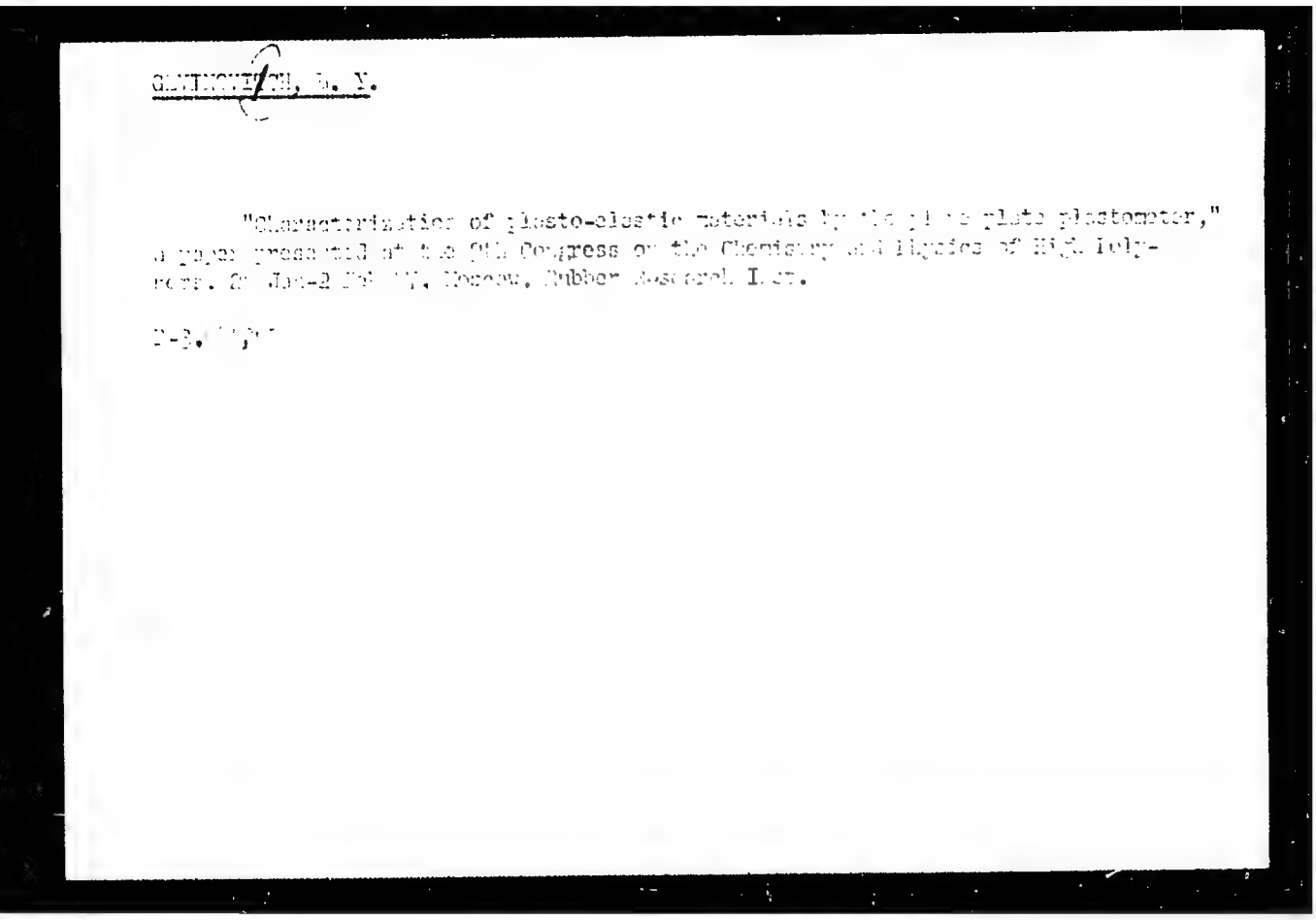
1. A Szamuely Tibor TLc Gyogyintezet kozlemenye.

(TUBERCULOSIS ther)

ZADOR, Andras, dr.; NAGY, Gabor, dr.; GEVICSER, Pal, dr.; KLIMENKO, Olga, dr.

On hepatitis in pulmonary tuberculosis patients. Tuberkulozis 16 no.4/5:147-149 Ap-My '63.

1. A Szamuely Tibor Tbc Gyogyintezet (igazgato: Korosi Andor dr., az orvostudomanyok kandidatusa) kozlemenye.
(TUBERCULOSIS, PULMONARY) (HEPATITIS)
(ANTITUBERCULAR AGENTS) (STREPTOMYCIN)
(ISONIAZID)



GENTLEMEN:

"Characterization of plasto-elastic materials by the plate plastometer," a paper presented at the 9th Congress on the Chemistry and Physics of High Polymers, 27 Jan-2 Feb 57, Moscow, Rubber Journal Ltr.

2-3, 57

GEVINYAN, G.M.; MAKHMUDOV, M.N.

Determining the ascending velocity of cement slurry in annular space. Azerb. neft. khoz. 40 no.1:15-18 Ja '61. (MIRA 14:8)

(Oil well cementing)

GEVINYAN, G.M.; MAKHMUDOV, M.N.

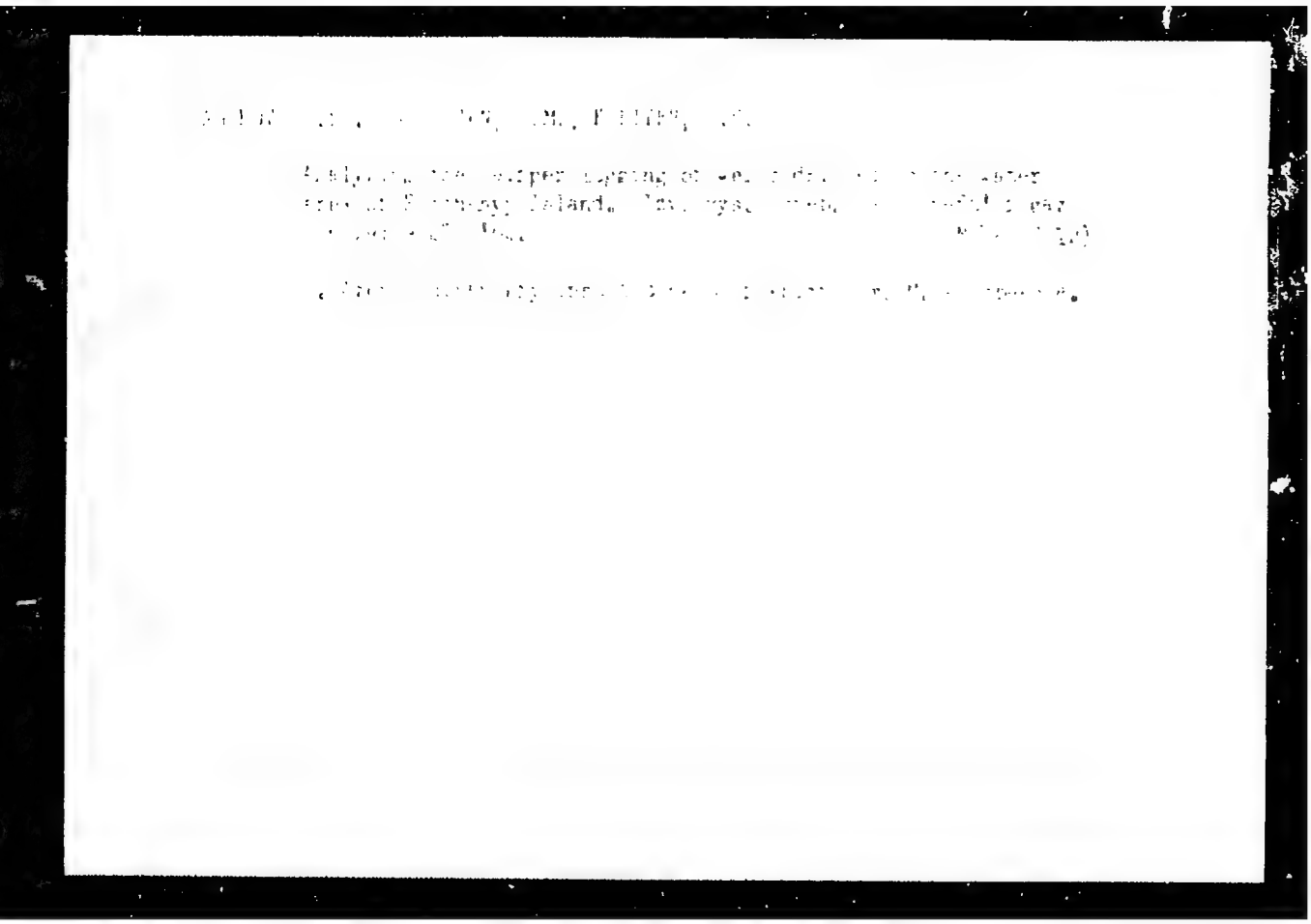
Criterion of the quality of well cementing. Izv.vys.ucheb. zav.;neft' i gaz 5 no.5:23-27 '62. (MIRA 16:5)

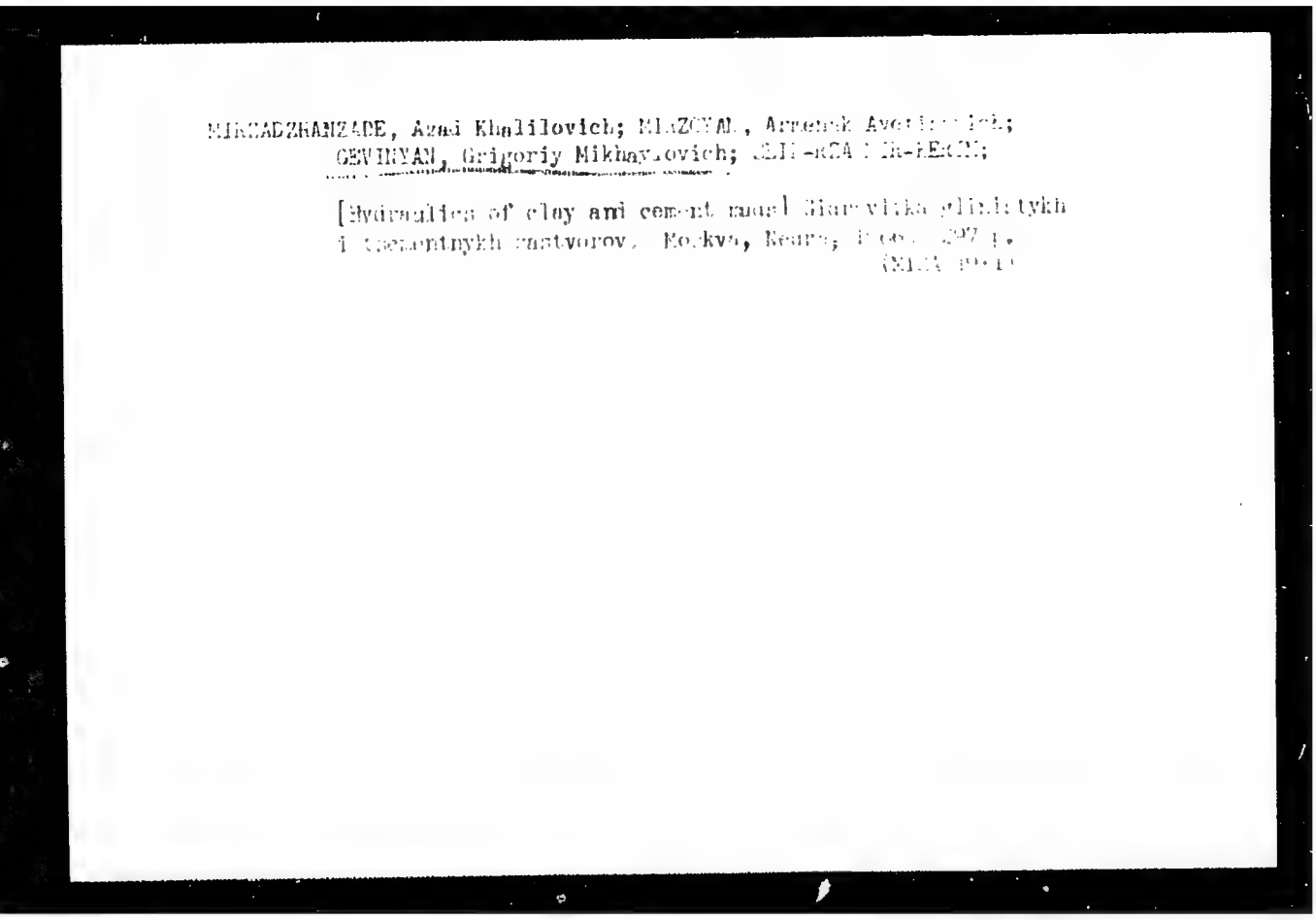
1. Azerbaydzhanskiy institut nefti i khimii imeni M.Azizbekova.
(Oil well cementing)

GULIZADE, M.P.; GEVINYAN, G.M.; BAGIROV, A.Yu.; KULIYEV, R.S.

Cementing slant holes. Izv. vys. zav.; neft' i gaz 7 no.6:17-19 '64. (MIRA 17:9)

1. Azerbaydzhanskiy institut nefti i khimii imeni Azizbekova.





MIRZADZHANZADE, Azmi Khalilovich; MIRZOYAN, Armenak Averkiyevich; GEVIRTYAN, Grigoriy Mikhaylovich; [illegible]

[Hydraulics of clay and cement muds] Gidravlika glinistykh i tsementnykh rastvorov. Moskva, Nedra, [illegible]. 207 p. (MIRA [illegible])

15-57-10-14804

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 10, p 241 (USSR)

AUTHORS: Pekukh, I. I., Gevinyan, G. M.

TITLE: Universal Mechanical Inclinometer (Universal'nyy inklinometr mekhanicheskogo deystviya)

PERIODICAL: Sb. stud. rabot Azerb. industr. in-ta, 1956, Nr 2, pp 18-21

ABSTRACT: Bibliographic entry

Card 1/1

GEVIRTS, G.Ya., inzh.; GOLITSYNSKIY, D.M.

Construction of the underground structures of the Borisoglebskaya Hydroelectric Power Station. Gidr. stroi. 33 no.11:12-16 N '62. (MIRA 16:1)
(Borisglebskaya Hydroelectric Power Station--Underground construction)

GEVIRTS, M. I.

Cand Geol-Min Sci - (diss) "Karst of the eastern slope of the Central Urals." Perm', 1961. 20 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Perm' State Univ imeni A. M. Gor'kiy); 150 copies; price not given; (KL, 7-61 sup, 224)

GEVIRTS, M.I.

Caves in the Rezh karst region. Peshchery no.4:33-34 '64.
(MIRA 18:5)

1. Nizhno-Tagil'skiy pedagogicheskiy institut.

GEVIRTS, M.I.

Caves in the Alapayevsk karst region. Peshchery no.3:47-50 '63.
(MIRA 18:2)

GEVIRTS, Ye.Ya., inzh.

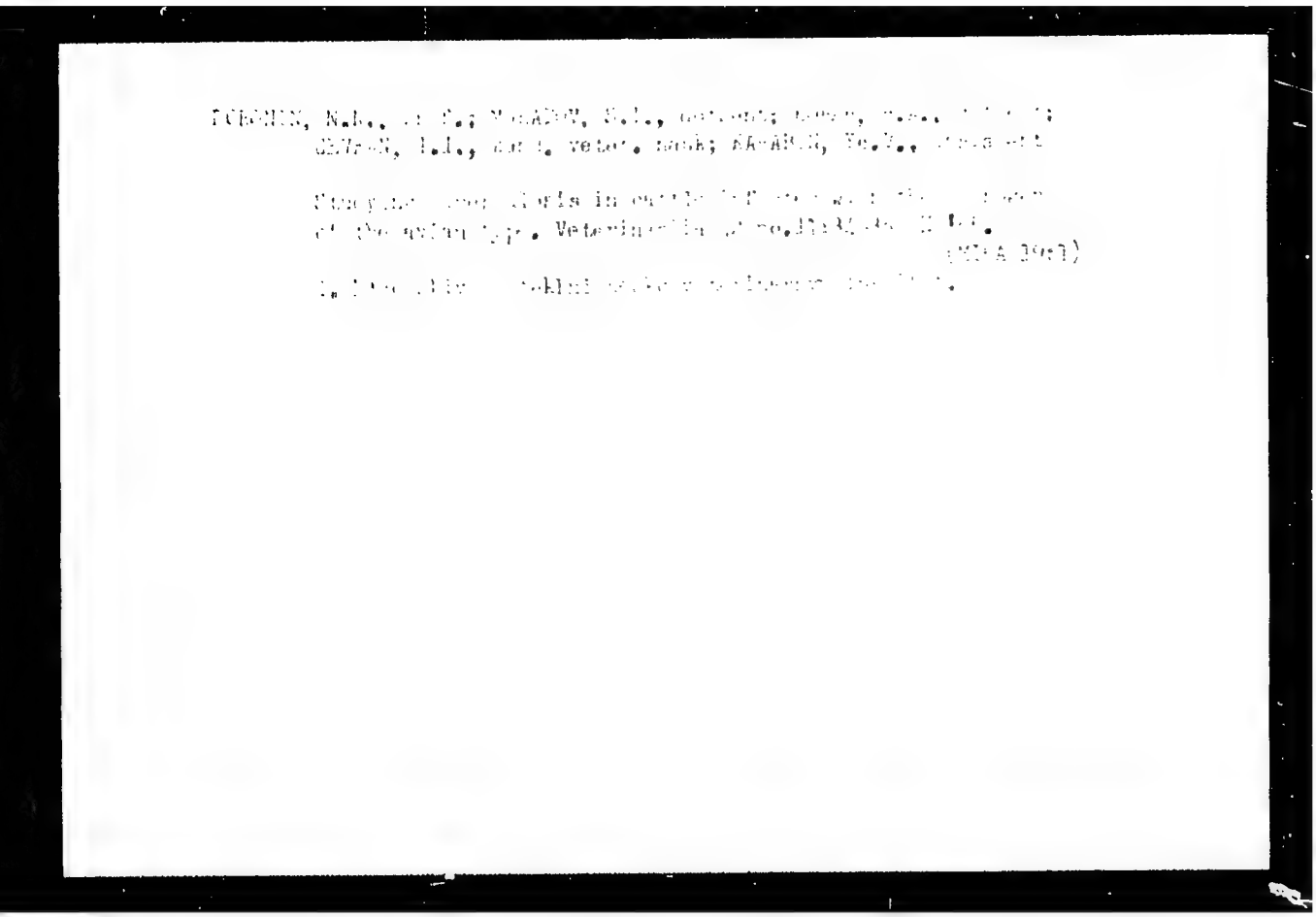
Mechanization of engineering calculations in designing organization.
Stroi.mat. 9 no.11:24-25 N '63. (MIRA 17:4)

GEVIZE, P.

Organization and mechanization of building in the German Democratic Republic. p. 12.

TEKHNIKA, Sofiia, Bulgaria, Vol. 8, no. 3, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 10, Oct. 1959.
Uncl.



GEVLICH, A.S.

AFONIN, K.B.; BURTSEV, K.I.; BYSTROV, S.N.; VINETS, G.B.; VODNEV, G.G.; VORONIN, A.S.; GEVLICH, A.S.; GRYAZNOV, N.S.; GUDIM, A.F.; GUSYATINSKIY, M.A.; DVORIN, S.S.; DIDENKO, V.Ye.; DMITRIYEV, M.M.; DONDE, M.M.; DOROGOBID, G.M.; ZHDANOV, G.I.; ZAGORUL'KO, A.I.; ZELENETSKIY, A.G.; IVASHCHENKO, Ya.N.; KAPTAN, S.I.; KVASHA, A.S.; KIRSYEV, A.D.; KLISHEVSKIY, G.S.; KOZYREV, V.P.; KOLOBOV, V.N.; LOALOV, K.I.; LEYTES, V.A.; LERNER, B.Z.; LOBODA, N.S.; LUBINETS, I.A.; MANDRYKIN, I.I.; MUSTAFIN, F.A.; NEMIROVSKIY, N.Kh.; NEFEDOV, V.A.; OBUKHOVSKIY, Ya.M.; PERTSEV, M.A.; PETROV, I.D.; PODGORZHANSKIY, M.O.; POPOV, A.P.; RAK, A.I.; REVYAKIN, A.A.; ROZHKOV, A.P.; ROZENGAUZ, D.A.; SAZONOV, S.A.; SIGALOV, M.B.; STOMAKHIN, Ya.B.; TARASOV, S.A.; FILIPPOV, B.S.; FRIDMAN, N.K.; FRISHBERG, V.D.; KHAR'KOVSKIY, K.V.; KHOLOPTSEV, V.P.; TSAREV, M.N.; TSOGLIN, M.B.; CHERNYY, I.I. CHERTOK, V.T.; SHELKOV, A.K.

Samuil Berisovich Bamme. Koks i khim. no.6:64 '56. (MLRA 9:10)
(Bamme, Samuil Berisovich, 1910-1956)

LUK'YANCHIKOV, V.P.; TRON', Ye.A., mladshiy nauchnyy sotrudnik
KHASANKAYEV, Ch.S.; ZLOTIN, A.Z.; GEVLICH, O.P., mezhrayonnyy
lesopatolog; DAVIDENKO, L.K., nauchnyy sotrudnik, SATEYEV, A.F.,
mladshiy nauchnyy sotrudnik

Brief information. Zashch. rast. ot vred. i bol. 9 no.3:
53-55 '64. (MIRA 17:4)

1. Biologicheskiy institut Sibirskogo otdeleniya AN SSSR,
Novosibirsk (for Luk'yanchikov). 2. Ternopol'skaya
sel'skokhozyaystvennaya opytnaya stantsiya (for Tron').
3. Tatarskaya lesnaya opytnaya stantsiya (for Khasankayev).
4. Grakovskoye opytnoye pole, Vsesoyuznyy nauchno-issledovatel'skiy
institut khimicheskikh sredstv zashchity rasteniy (for Zlotin).
5. Borovaya lesnaya opytnaya stantsiya (for Davidenko).
6. Karagandinskiy botanicheskiy sad AN KazSSR (for Sateyev).

TURKEVICH, N.M.; GEVLICH, V.F.

Rhodanine and 2-thiohydantoin derivatives as reagents in inorganic analysis. Zhur.anal.khim. 11 no.2:180-187 Mr-Ap '56. (MLRA 9:8)

1. L'vovskiy gosudarstvennyy meditsinskiy institut.
(Hydantoin) (Rhodanine) (Chemical test and reagents)

USSR / Human and Animal Physiology. Physiology of Work and Sport. T

Abs Jour: Ref Zhur-Biol., No 22, 1958, 102335.

Author : Gevlich, Ye. D.
Inst : Belorussian State Institute of Physical Culture.
Title : On the Problem of the Influence of Strain on the Volume of Movements in the Joints of Athletes.

Orig Pub: Uch. zap. Belorussk. gos. in-t fiz. kul'tury, 1957, vyp. 1, 49-58.

Abstract: No abstract.

Card 1/1

115

GEVLICH, Ye.D. (Minsk - 13, ul. Yakuba Kolasa, 19, kv.19)

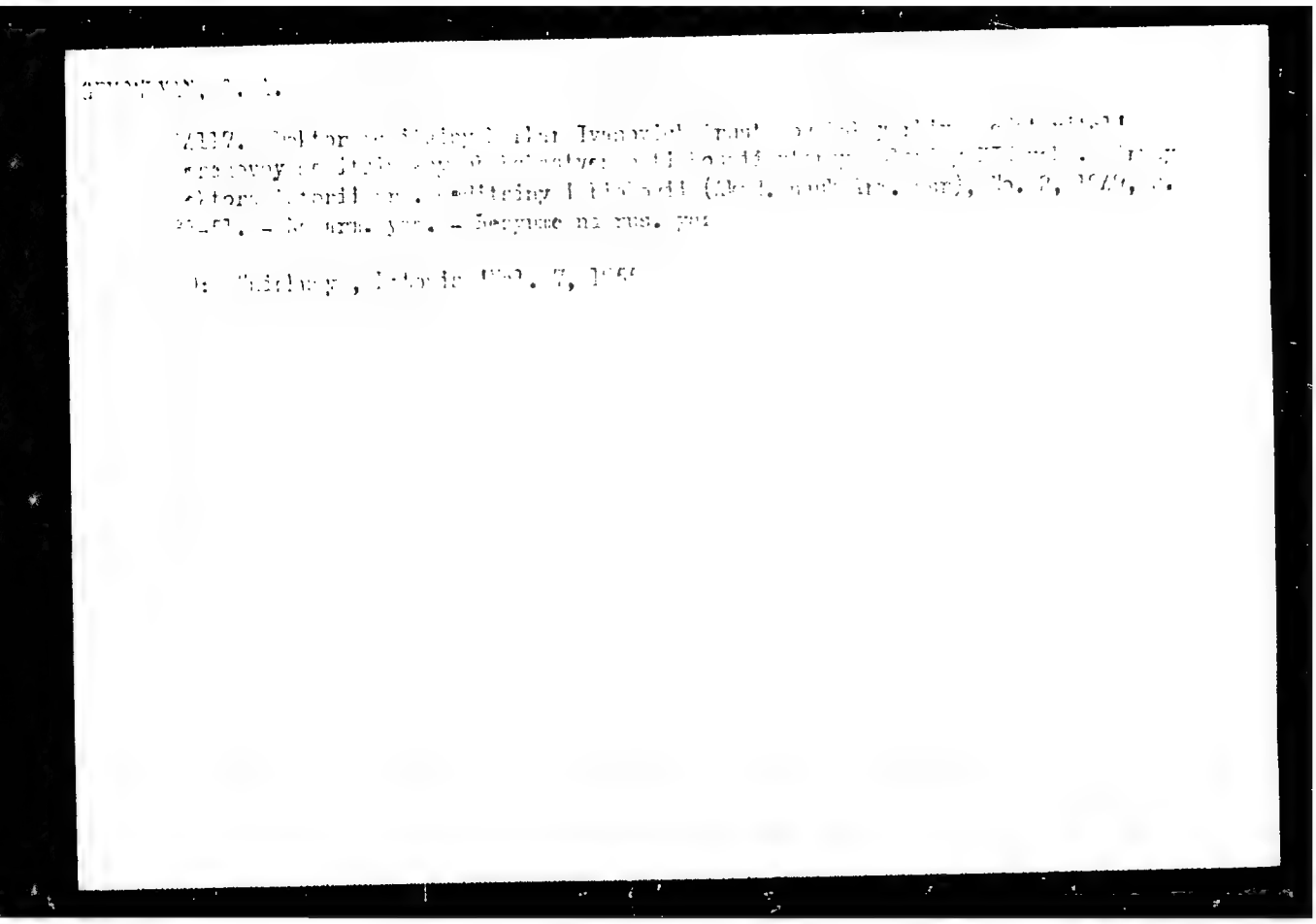
Some changes in the skeleton of athletes engaging in strenuous and nonstrenuous types of sports. Arkh. anat., gist. i embr. 41 no.11: 71-78 N '61. (MIRA 14:12)

1. Kafedra anatomii cheloveka (zav. - dotsent Ye.D. Gevlich) Belorusskogo instituta fizicheskoy kul'tury.
(BONES) (EXERCISE)

GEVLICH, Ye. D.

"Morfonatsional'nyye osobennosti [illegible] v ikh vzaimnoy
kombinatsii spetsamenov."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,
Moscow, 3-10 Aug 64.



GEVONDYAN, G.A., dotsent, zasluzhennyy vrach Armyanskoy SSR.

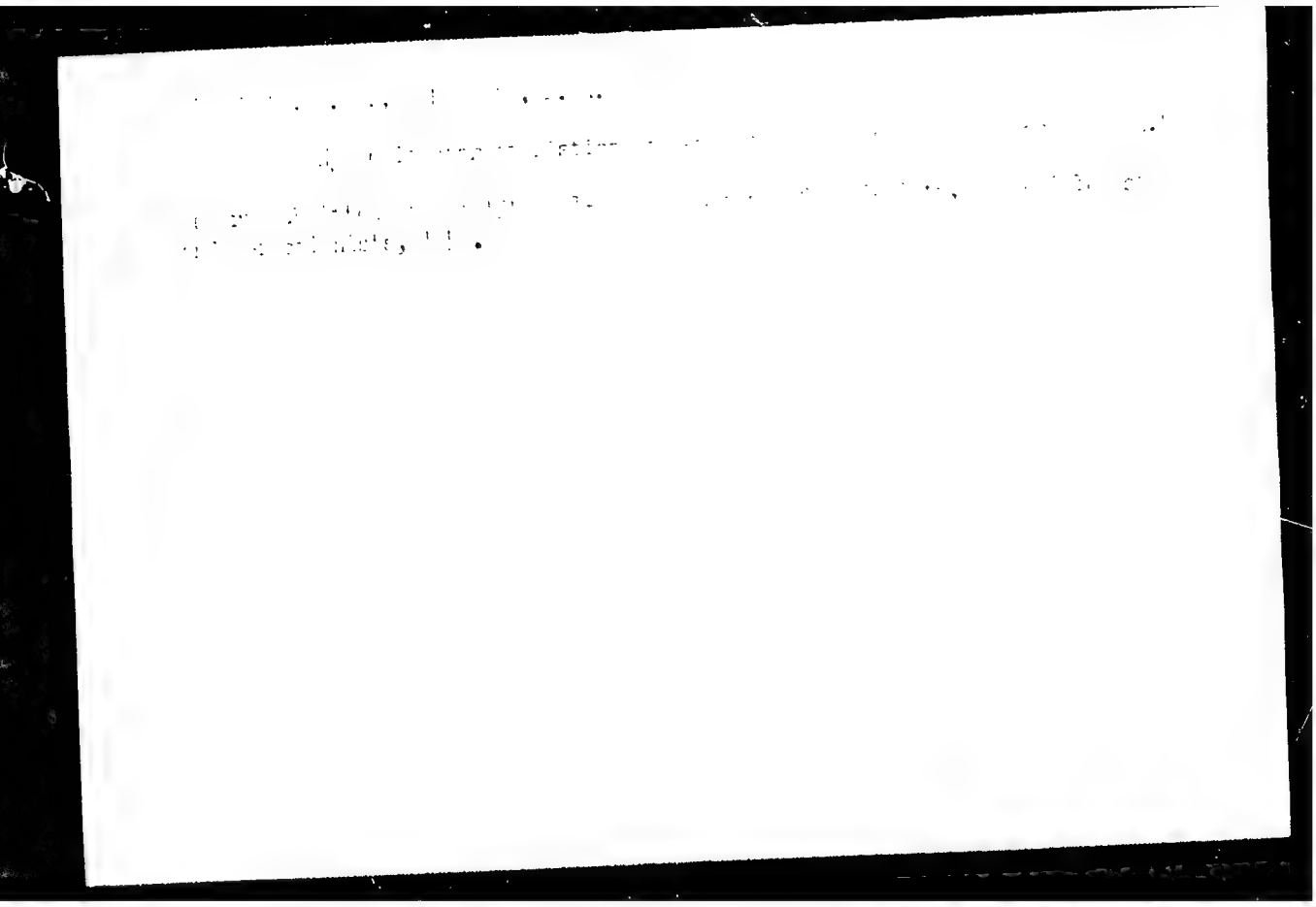
The history of the development of sanitary organization in Armenia during the years of the Soviet regime. Gig. i san. 22 no.10:80-84 O '57. (MIRA 10:12)

(PUBLIC HEALTH, hist.
med. & sanitary serv. in Armenia)

BALABUYEV, A.G.; GEVONDYAN, M.G.; DZHAPARIDZE, Ye.K.

Amount of dust in the air in Tiflis. Soob. AN Gruz. SSR 19 no.5:551-556 N '57. (MIRA 11:6)

1.Institut geofiziki AN GruzSSR, Tbilisi i Nauchno-issledovatel'skiy sanitarnyy institut GruzSSR. Predstavleno akademikom Ye. K. Kharadze.
(Tiflis--Dust)



TSERETELLI, L.K., dotsent; GEVONDYAN, M.G., kand. med. nauk

Some hygienic aspects of the planning and construction of collective farm villages in the Georgian Republic. Gig. i san. 24 no.5:70-74 My '59.
(MIRA 12:7)

1. Iz kafedry kommunal'noy gigiyeny Tbilisskogo meditsinskogo instituta i nauchno-issledovatel'skogo instituta gigiyeny i sanitarii Ministerstva zdravookhraneniya Gruzinskoy SSR.

(AGRICULTURE,
collective farm village planning (Rus))
(PLANNING,
same)

GEVONDYAN, S. A.

Reaktsiya pretsipitatsii na zhivykh lickinkakh in vitro pri myullerioze
ovets "Work on Helminthology" on the 75th Birthday of K. I. Skryabin, Izdat.
Akad. Nauk. SSSR, Moskva, 1953, p. 127
Chair Parasitology, Yerevan Zooveterinary, Institute

GEVONDYAN, S.A.

Change in the pathogenic properties of the Muller's larvae as affected by conditions of development in the intermediary host. Izv.AN Arm.SSR.Biol.i sel'khoz.nauki 6 no.8:63-73 '53. (MLRA 9:8)

1. Kafedra parazitologii Yerevanskogo zooveterinarnogo instituta.
(Snails) (Annelida) (Sheep--Diseases) (Goats--Diseases)

GEVONDYAN, S.A.

Glorious fortieth anniversary of the establishment of the Soviet regime in Armenia. Trudy Arm. nauch.-issl. inst.zhiv. i vet. 4:V-XI '60. (MIRA 15:5)

1. Direktor Armyanskogo nauchno-issledovatel'skogo instituta zhivotnovodstva i veterinarii.
(Armenia--Agriculture)

GEVONDYAN, T. A.

USSR/Engineering — Nov 48
Springs - Hysteresis
Testing and Standardization

"Equipment for Testing the Stiffness of Materials," T. A. Gevondyan, Cand Tech Sci, MVTU imeni Bauman, 4 pp

"Stal'" No 11

Foreign apparatus for testing stiffness of spring strips and wires (Olsen type) gives only integral characteristic of quality of specimen (comparison with a standard one). Analysis shows it is possible to use similar apparatus for

19/49T62

USSR/Engineering (Contd) — Nov 48

simultaneous measurement of main mechanical properties of materials. Plans machine for determining these properties in plastic and elastic state.

19/49T62

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KISELEV, L.T., jt. au.

Machinery parts in precision mechanics; textbook. Moskva, Gos. izd-vo obor. promyshl., 19 ?. 228 p. Priloży tochnoi mekhaniki. (?-17 04,

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GEVONDYAN, T.A.

(Tigran Arutyunovich)

"Flexible Engines, (theory, Calcualtion, Methods of Control and Testing)," (Dissertation), Academic degree of Doctor in Technical Sciences, based on his defense, 21 June 1954, in the Council of the Moscow Order of Labor Red Banner Higher Technical School im. Bauman,

-M- 3,054,778, 2 Oct 57.

GEVORKYAN, T.A., doktor tekhnicheskikh nauk.

Scientific and pedagogical activities of the Department of Precision Instrument Design during the last 25 years. [Trudy] MVTU no.47:3-12 '55. (MLRA 9:5)

1. Zaveduyushchiy kafedroy priborostroyeniya.
(Instruments) (Mechanical engineering)

GEVONDYAN, T.A., doktor tekhnicheskikh nauk.

Theory and design methods for ribbed winding springs. [Trudy] MVTU no.47:13-44 '55. (MLRA 9:5)
(Springs (Mechanism))

GEVONDYAN, T. Ivan Arutyunovich

Prushinnyye Dvigateli (Spring Motors), by T. A. Gevondyan,
Oborongiz, Moscow, 1956, 367 pp

The author deals with the perfection of existing methods and instruments for inspecting and testing spring strips and finished springs; he discusses the theory and analysis of spring motors used in the instrument building industry.

The monograph systematizes the quality control of spring strips and the testing of finished springs; it develops the theory and methods for analyzing spiral, fluted, and S-shaped winding springs. The book is intended for engineers and technicians in the instrument building industry and also may be used as a text by senior students.

GEVONDYAN, T.A.

Manufacture of S-shaped watch springs. Priborostroenie no.3:26-28 Mr '56. (MLRA 9:8)

(Springs (Mechanism))

GEVONDYAN, T.A.; PAVLOV, Ye.M.

Dynamic method for determining temperature coefficient of modulus of elasticity of thin metals. Zav. lab. 22 no.12: 1490-1491 '56. (MLRA 10:2)

1. Moskovskoye vysshaye tekhnicheskoye uchilishche imeni N.E. Baumana.

(Elasticity)

PHASE I BOOK EXPLOITATION SOV/4233

Moscow. Vyssheye tekhnicheskoye uchilishche

Raschety detaley i mekhanizmov tochnykh priborov; sbornik statey (Design of Parts and Mechanisms of Precision Instruments; Collection of Articles) Moscow, Mashgiz, 1960. 260 p. 5,000 copies printed.

Ed. (Title page): T. A. Gevondyan, Doctor of Technical Sciences, Professor; Ed. (Inside book): Ya. G. Alaverdov, Engineer; Tech. Ed.: A. F. Uvarova; Managing Ed. for Literature on Machine Building and Instrument Making (Mashgiz): N. V. Pokrovskiy, Engineer.

PURPOSE: This collection of articles is intended for scientific workers and engineers engaged in instrument making.

COVERAGE: The results of investigations on making instruments with complex and design-perfect parts, pairs, and mechanisms, it is claimed, are published here for the first time. The articles cover theory and methods of spherical cogwheel engagement, a new method of manufacturing toothed wheels with

Card 1/5

Design of Parts and Mechanisms (Cont.) SOV/4233

alternating ratio within one revolution, a universal method for designing an oscillating system for stability by means of complex variables, and precision methods for designing brake centrifugal governors used in instrument design. Some of the articles are accompanied by Soviet and non-Soviet references. No personalities are mentioned.

TABLE OF CONTENTS:

Card 2/6

PHASE I BOOK EXPLOITATION SOV/6057

Gevondyan, Tigran Arutyunovich, and Lev Timofeyevich Kiselev

Pribory dlya izmereniya i registratsii kolebaniy (Instruments for Measuring and Recording Vibration). Moscow, Mashgiz, 1962. 467 p. Errata slip inserted. 12,000 copies printed.

Reviewers: B. A. Ryabov, Doctor of Technical Sciences, Professor, and N. P. Zakaznov, Candidate of Technical Sciences; Ed.: S. O. Dobrogurskiy, Honored Scientist and Technologist, Doctor of Technical Sciences, Professor; Ed. of Publishing House: M. S. Yeliseyev; Tech. Ed.: B. I. Model'; Managing Ed. for Literature on Means of Automation and Instrument Construction: N. V. Pokrovskiy, Engineer.

PURPOSE: This textbook is intended for students of instrument building in technical schools of higher education.

Card 1/6

COVERAGE: Concise information on the theory and design of instruments for measuring and recording vibrations is presented. Vibration-measurement methods and the calculations of basic parameters of major units and parts are discussed. Attention is given to instrumental errors, correction of instrument indications, calibration, and testing, as well as to the processing of vibrograms and oscillograms. Suggestions for instrument designers are included. This is the first textbook on instruments for measuring and recording vibrations. The Foreword, Ch. 1 of Sec. I, Chs. 1 and 2 of Sec. II, and Ch. 1 of Sec. III were written by T. A. Gevondyan; L. T. Kiselev wrote the remainder of the book. There are 19 references, all Soviet.

TABLE OF CONTENTS: